

Chapter 15

Tag Elements Beginning with O

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

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



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

<oam> (configuration/logical-systems/protocols)

Usage	<code>&lt;configuration&gt;</code> <code>&lt;logical-systems&gt;</code> <code>&lt;protocols&gt;</code> <b><code>&lt;oam&gt;</code></b> <code>&lt;ethernet&gt;...&lt;/ethernet&gt;</code> <b><code>&lt;/oam&gt;</code></b> <code>&lt;/protocols&gt;</code> <code>&lt;/logical-systems&gt;</code> <code>&lt;/configuration&gt;</code>
Description	Operation, Administration, and Management configuration.
Contents	<code>&lt;ethernet&gt;</code> —OAM configuration for Ethernet.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <ldp>  
                 **<oam>**  
                   <ingress-policy>...</ingress-policy>  
                   <fec>...</fec>  
                   <bfd-liveness-detection>...</bfd-liveness-detection>  
                   <periodic-traceroute>...</periodic-traceroute>  
                   <lsp-ping-interval>seconds</lsp-ping-interval>  
                 **</oam>**  
               </ldp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Configure periodic OAM for a LDP FEC.

**Contents** <bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.  
               <fec>—Forwarding equivalence class.  
               <ingress-policy>—OAM ingress policy.  
               <lsp-ping-interval>—Time interval between LSP ping messages.  
               <periodic-traceroute>—Configure periodic traceroute.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <mpls>  
                 **<oam>**  
                   <bfd-liveness-detection>...</bfd-liveness-detection>  
                   <lsp-ping-interval>seconds</lsp-ping-interval>  
                   <traceoptions>...</traceoptions>  
                 **</oam>**  
               </mpls>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Periodic OAM.

**Contents** <bfd-liveness-detection>—Bidirectional Forwarding Detection options.  
               <lsp-ping-interval>—Time interval between LSP ping messages.  
               <traceoptions>—Trace options for MPLSOAM process.

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <mpls>  
               <label-switched-path>  
                   **<oam>**  
                   <bfd-liveness-detection>...</bfd-liveness-detection>  
                   <lsp-ping-interval>*seconds*</lsp-ping-interval>  
                   <traceoptions>...</traceoptions>  
                   **</oam>**  
               </label-switched-path>  
               </mpls>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Periodic OAM.

**Contents**   <bfd-liveness-detection>—Bidirectional Forwarding Detection options.  
               <lsp-ping-interval>—Time interval between LSP ping messages.  
               <traceoptions>—Trace options for MPLSOAM process.

**<oam> (configuration/logical-systems/protocols/mpls/  
label-switched-path/primary)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <mpls>  
          <label-switched-path>  
          <primary>  
          **<oam>**  
            <bfd-liveness-detection>...</bfd-liveness-detection>  
            <lsp-ping-interval>seconds</lsp-ping-interval>  
            <traceoptions>...</traceoptions>  
          **</oam>**  
          </primary>  
          </label-switched-path>  
          </mpls>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Periodic OAM.

**Contents**   <bfd-liveness-detection>—Bidirectional Forwarding Detection options.  
  
              <lsp-ping-interval>—Time interval between LSP ping messages.  
  
              <traceoptions>—Trace options for MPLSOAM process.

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <mpls>  
               <label-switched-path>  
               <secondary>  
               **<oam>**  
                   <bfd-liveness-detection>...</bfd-liveness-detection>  
                   <lsp-ping-interval>seconds</lsp-ping-interval>  
                   <traceoptions>...</traceoptions>  
               **</oam>**  
               </secondary>  
               </label-switched-path>  
               </mpls>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Periodic OAM.

**Contents**   <bfd-liveness-detection>—Bidirectional Forwarding Detection options.  
                   <lsp-ping-interval>—Time interval between LSP ping messages.  
                   <traceoptions>—Trace options for MPLSOAM process.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <protocols>  
                   <ldp>  
                     **<oam>**  
                       <ingress-policy>...</ingress-policy>  
                       <fec>...</fec>  
                       <bfd-liveness-detection>...</bfd-liveness-detection>  
                       <periodic-traceroute>...</periodic-traceroute>  
                       <lsp-ping-interval>seconds</lsp-ping-interval>  
                     **</oam>**  
                   </ldp>  
                 </protocols>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** Configure periodic OAM for a LDP FEC.

**Contents** <bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<fec>—Forwarding equivalence class.

<ingress-policy>—OAM ingress policy.

<lsp-ping-interval>—Time interval between LSP ping messages.

<periodic-traceroute>—Configure periodic traceroute.

## **<oam> (configuration/protocols)**

---

**Usage** <configuration>  
           <protocols>  
             **<oam>**  
               <ethernet>...</ethernet>  
             **</oam>**  
           </protocols>  
         </configuration>

**Description** Operation, Administration, and Management configuration.

**Contents** <ethernet>—OAM configuration for Ethernet.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;ldp&gt;       &lt;oam&gt;         &lt;ingress-policy&gt;...&lt;/ingress-policy&gt;         &lt;fec&gt;...&lt;/fec&gt;         &lt;bfd-liveness-detection&gt;...&lt;/bfd-liveness-detection&gt;         &lt;periodic-traceroute&gt;...&lt;/periodic-traceroute&gt;         &lt;lsp-ping-interval&gt;seconds&lt;/lsp-ping-interval&gt;       &lt;/oam&gt;     &lt;/ldp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure periodic OAM for a LDP FEC.
<b>Contents</b>	<p>&lt;bfd-liveness-detection&gt;—Bidirectional Forwarding Detection (BFD) options.</p> <p>&lt;fec&gt;—Forwarding equivalence class.</p> <p>&lt;ingress-policy&gt;—OAM ingress policy.</p> <p>&lt;lsp-ping-interval&gt;—Time interval between LSP ping messages.</p> <p>&lt;periodic-traceroute&gt;—Configure periodic traceroute.</p>

**<oam> (configuration/protocols/mpls)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;mpls&gt;       &lt;oam&gt;         &lt;bfd-liveness-detection&gt;...&lt;/bfd-liveness-detection&gt;         &lt;lsp-ping-interval&gt;seconds&lt;/lsp-ping-interval&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;/oam&gt;     &lt;/mpls&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Periodic OAM.
<b>Contents</b>	<p>&lt;bfd-liveness-detection&gt;—Bidirectional Forwarding Detection options.</p> <p>&lt;lsp-ping-interval&gt;—Time interval between LSP ping messages.</p> <p>&lt;traceoptions&gt;—Trace options for MPLSOAM process.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;mpls&gt;       &lt;label-switched-path&gt;         &lt;oam&gt;           &lt;bfd-liveness-detection&gt;...&lt;/bfd-liveness-detection&gt;           &lt;lsp-ping-interval&gt;seconds&lt;/lsp-ping-interval&gt;           &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;/oam&gt;       &lt;/label-switched-path&gt;     &lt;/mpls&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Periodic OAM.
<b>Contents</b>	<p>&lt;bfd-liveness-detection&gt;—Bidirectional Forwarding Detection options.</p> <p>&lt;lsp-ping-interval&gt;—Time interval between LSP ping messages.</p> <p>&lt;traceoptions&gt;—Trace options for MPLSOAM process.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;mpls&gt;       &lt;label-switched-path&gt;         &lt;primary&gt;           &lt;oam&gt;             &lt;bfd-liveness-detection&gt;...&lt;/bfd-liveness-detection&gt;             &lt;lsp-ping-interval&gt;seconds&lt;/lsp-ping-interval&gt;             &lt;traceoptions&gt;...&lt;/traceoptions&gt;           &lt;/oam&gt;         &lt;/primary&gt;       &lt;/label-switched-path&gt;     &lt;/mpls&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Periodic OAM.
<b>Contents</b>	<p>&lt;bfd-liveness-detection&gt;—Bidirectional Forwarding Detection options.</p> <p>&lt;lsp-ping-interval&gt;—Time interval between LSP ping messages.</p> <p>&lt;traceoptions&gt;—Trace options for MPLSOAM process.</p>



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

---

**Usage**   <configuration>  
               <protocols>  
               <mpls>  
               <label-switched-path>  
               <secondary>  
               **<oam>**  
                   <bfd-liveness-detection>...</bfd-liveness-detection>  
                   <lsp-ping-interval>*seconds*</lsp-ping-interval>  
                   <traceoptions>...</traceoptions>  
               **</oam>**  
               </secondary>  
               </label-switched-path>  
               </mpls>  
               </protocols>  
               </configuration>

**Description**   Periodic OAM.

**Contents**   <bfd-liveness-detection>—Bidirectional Forwarding Detection options.  
               <lsp-ping-interval>—Time interval between LSP ping messages.  
               <traceoptions>—Trace options for MPLSOAM process.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <ldp>  
                   **<oam>**  
                     <ingress-policy>...</ingress-policy>  
                     <fec>...</fec>  
                     <bfd-liveness-detection>...</bfd-liveness-detection>  
                     <periodic-traceroute>...</periodic-traceroute>  
                     <lsp-ping-interval>seconds</lsp-ping-interval>  
                   **</oam>**  
                 </ldp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Configure periodic OAM for a LDP FEC.

**Contents** <bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<fec>—Forwarding equivalence class.

<ingress-policy>—OAM ingress policy.

<lsp-ping-interval>—Time interval between LSP ping messages.

<periodic-traceroute>—Configure periodic traceroute.

## **<oam-liveness> (configuration/dynamic-profiles/interfaces/interface/atm-options/vpi)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <atm-options>  
           <vpi>  
             **<oam-liveness>**  
               <up-count>*up-count*</up-count>  
               <down-count>*down-count*</down-count>  
             **</oam-liveness>**  
           </vpi>  
           </atm-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** F4 OAM virtual path liveness parameters.

**Contents** <down-count>—Number of F4 OAM cells to consider VP down.

<up-count>—Number of F4 OAM cells to consider VP up.

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

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
             **<oam-liveness>**  
               <up-count>*up-count*</up-count>  
               <down-count>*down-count*</down-count>  
             **</oam-liveness>**  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** OAM virtual circuit liveness parameters.

**Contents** <down-count>—Number of OAM cells to consider VC down.

<up-count>—Number of OAM cells to consider VC up.

## **<oam-liveness> (configuration/dynamic-profiles/interfaces/ interface/unit/family/inet/address/multipoint-destination)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <multipoint-destination>
                  <oam-liveness>
                    <up-count>up-count</up-count>
                    <down-count>down-count</down-count>
                  </oam-liveness>
                </multipoint-destination>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** OAM virtual circuit liveness parameters.

**Contents** <down-count>—Number of OAM cells to consider VC down.

<up-count>—Number of OAM cells to consider VC up.

## **<oam-liveness> (configuration/interfaces/interface/atm-options/vpi)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <atm-options>  
                 <vpi>  
                   **<oam-liveness>**  
                     <up-count>*up-count*</up-count>  
                     <down-count>*down-count*</down-count>  
                   **</oam-liveness>**  
                 </vpi>  
               </atm-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** F4 OAM virtual path liveness parameters.

**Contents** <down-count>—Number of F4 OAM cells to consider VP down.  
               <up-count>—Number of F4 OAM cells to consider VP up.

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

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 **<oam-liveness>**  
                   <up-count>*up-count*</up-count>  
                   <down-count>*down-count*</down-count>  
                 **</oam-liveness>**  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** OAM virtual circuit liveness parameters.

**Contents** <down-count>—Number of OAM cells to consider VC down.  
               <up-count>—Number of OAM cells to consider VC up.

## **<oam-liveness> (configuration/interfaces/interface/unit/family/inet/address/multipoint-destination)**

---

**Usage**

```

<configuration>
  <interfaces>
    <interface>
      <unit>
        <family>
          <inet>
            <address>
              <multipoint-destination>
                <oam-liveness>
                  <up-count>up-count</up-count>
                  <down-count>down-count</down-count>
                </oam-liveness>
              </multipoint-destination>
            </address>
          </inet>
        </family>
      </unit>
    </interface>
  </interfaces>
</configuration>

```

**Description** OAM virtual circuit liveness parameters.

**Contents** <down-count>—Number of OAM cells to consider VC down.

<up-count>—Number of OAM cells to consider VC up.

## **<oam-liveness> (configuration/logical-systems/interfaces/interface/unit)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <oam-liveness>
            <up-count>up-count</up-count>
            <down-count>down-count</down-count>
          </oam-liveness>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** OAM virtual circuit liveness parameters.

**Contents** <down-count>—Number of OAM cells to consider VC down.

<up-count>—Number of OAM cells to consider VC up.

## **<oam-liveness> (configuration/logical-systems/interfaces/ interface/unit/family/inet/address/multipoint-destination)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <multipoint-destination>
                  <oam-liveness>
                    <up-count>up-count</up-count>
                    <down-count>down-count</down-count>
                  </oam-liveness>
                </multipoint-destination>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** OAM virtual circuit liveness parameters.

**Contents** <down-count>—Number of OAM cells to consider VC down.

<up-count>—Number of OAM cells to consider VC up.

## **<oam-period> (configuration/dynamic-profiles/interfaces/interface/atm-options/vpi)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;atm-options&gt;           &lt;vpi&gt;             <b>&lt;oam-period&gt;</b>               &lt;oam-period&gt;seconds&lt;/oam-period&gt;               &lt;disable&gt;disable&lt;/disable&gt;             <b>&lt;/oam-period&gt;</b>           &lt;/vpi&gt;         &lt;/atm-options&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	F4 OAM cell period.
<b>Contents</b>	<p>&lt;disable&gt;—Disable F4 OAM loopback.</p> <p>&lt;oam-period&gt;—F4 OAM cell period.</p>

## **<oam-period> (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;           <b>&lt;oam-period&gt;</b>             &lt;oam-period&gt;seconds&lt;/oam-period&gt;             &lt;disable&gt;disable&lt;/disable&gt;           <b>&lt;/oam-period&gt;</b>         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	OAM cell period.
<b>Contents</b>	<p>&lt;disable&gt;—Disable F5 OAM loopback.</p> <p>&lt;oam-period&gt;—OAM cell period.</p>



## **<oam-period> (configuration/dynamic-profiles/interfaces/ interface/unit/family/inet/address/multipoint-destination)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           <address>  
           <multipoint-destination>  
           **<oam-period>**  
           <oam\_period>*seconds*</oam\_period>  
           <disable>*disable*</disable>  
           **</oam-period>**  
           </multipoint-destination>  
           </address>  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description**   OAM cell period.

**Contents**   <disable>—Disable OAM loopback.

          <oam\_period>—OAM cell period.

**<oam-period> (configuration/interfaces/interface/atm-options/vpi)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <atm-options>  
                 <vpi>  
                   **<oam-period>**  
                     <oam-period>*seconds*</oam-period>  
                     <disable>*disable*</disable>  
                   **</oam-period>**  
                 </vpi>  
               </atm-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** F4 OAM cell period.

**Contents** <disable>—Disable F4 OAM loopback.  
             <oam-period>—F4 OAM cell period.

**<oam-period> (configuration/interfaces/interface/unit)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 **<oam-period>**  
                   <oam-period>*seconds*</oam-period>  
                   <disable>*disable*</disable>  
                 **</oam-period>**  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** OAM cell period.

**Contents** <disable>—Disable F5 OAM loopback.  
             <oam-period>—OAM cell period.

## **<oam-period> (configuration/interfaces/interface/unit/family/inet/address/multipoint-destination)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           <address>  
           <multipoint-destination>  
               **<oam-period>**  
                   <oam\_period>*seconds*</oam\_period>  
                   <disable>*disable*</disable>  
               **</oam-period>**  
           </multipoint-destination>  
           </address>  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </configuration>

**Description**   OAM cell period.

**Contents**   <disable>—Disable OAM loopback.  
               <oam\_period>—OAM cell period.

## **<oam-period> (configuration/logical-systems/interfaces/interface/unit)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
               **<oam-period>**  
                   <oam-period>*seconds*</oam-period>  
                   <disable>*disable*</disable>  
               **</oam-period>**  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
           </configuration>

**Description**   OAM cell period.

**Contents**   <disable>—Disable F5 OAM loopback.  
               <oam-period>—OAM cell period.

## **<oam-period> (configuration/logical-systems/interfaces/ interface/unit/family/inet/address/multipoint-destination)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <multipoint-destination>
                  <oam-period>
                    <oam_period>seconds</oam_period>
                    <disable>disable</disable>
                  </oam-period>
                </multipoint-destination>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** OAM cell period.

**Contents** <disable>—Disable OAM loopback.

<oam\_period>—OAM cell period.

## **<object-names> (configuration/accounting-options/mib-profile)**

---

**Usage**

```

<configuration>
  <accounting-options>
    <mib-profile>
      <object-names>
        <name>name</name> <!-- identifier -->
      </object-names>
    </mib-profile>
  </accounting-options>
</configuration>

```

**Description** Names of MIB objects.

**Contents** <name>—MIB variable name.

## **<oc-lof> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<oc-lof>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</oc-lof>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** OC Loss Of Frame defect trigger.

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

<ignore>—Ignore the defect.

## **<oc-lof> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<oc-lof>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</oc-lof>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** OC Loss Of Frame defect trigger.

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

<ignore>—Ignore the defect.

## **<oc-lom> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<oc-lom>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</oc-lom>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** OC Loss Of Multiframe defect trigger.

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

## **<oc-lom> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<oc-lom>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</oc-lom>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** OC Loss Of Multiframe defect trigger.

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

## **<oc-los> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<oc-los>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</oc-los>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** OC Loss Of Signal defect trigger.

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

## **<oc-los> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<oc-los>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</oc-los>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** OC Loss Of Signal defect trigger.

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

## **<oc-wavelength-lock> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<oc-wavelength-lock>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</oc-wavelength-lock>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** OC Wavelength Lock defect trigger.

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

<ignore>—Ignore the defect.

## **<oc-wavelength-lock> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<oc-wavelength-lock>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</oc-wavelength-lock>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** OC Wavelength Lock defect trigger.

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

<ignore>—Ignore the defect.



## **<odu-ais> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-ais>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-ais>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** ODU Alarm Indication Signal defect trigger.

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

## **<odu-ais> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-ais>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-ais>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** ODU Alarm Indication Signal defect trigger.

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

## **<odu-bdi> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-bdi>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-bdi>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** ODU Backward Defect Indication defect trigger.

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

## **<odu-bdi> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-bdi>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-bdi>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** ODU Backward Defect Indication defect trigger.

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

## **<odu-lck> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

- Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <otn-options>  
                     <trigger>  
                         **<odu-lck>**  
                             <ignore/>  
                             <hold-time>...</hold-time>  
                         **</odu-lck>**  
                     </trigger>  
                 </otn-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>
- Description** ODU Locked defect trigger.
- Contents** <hold-time>—Delay before marking interface up or down for defect.  
     <ignore>—Ignore the defect.

## **<odu-lck> (configuration/interfaces/interface/otn-options/trigger)**

---

- Usage** <configuration>  
     <interfaces>  
         <interface>  
             <otn-options>  
                 <trigger>  
                     **<odu-lck>**  
                         <ignore/>  
                         <hold-time>...</hold-time>  
                     **</odu-lck>**  
                 </trigger>  
             </otn-options>  
         </interface>  
     </interfaces>  
 </configuration>
- Description** ODU Locked defect trigger.
- Contents** <hold-time>—Delay before marking interface up or down for defect.  
     <ignore>—Ignore the defect.

## **<odu-oci> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-oci>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-oci>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** ODU Open Connection Indication defect trigger.

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

## **<odu-oci> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-oci>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-oci>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** ODU Open Connection Indication defect trigger.

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

## **<odu-sd> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<odu-sd>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</odu-sd>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** ODU Signal Degrade defect trigger.

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

## **<odu-sd> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<odu-sd>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</odu-sd>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** ODU Signal Degrade defect trigger.

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

## **<odu-tca-bbe> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-tca-bbe>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-tca-bbe>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** ODU Background Block Error Threshold crossing defect trigger.

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

## **<odu-tca-bbe> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-tca-bbe>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-tca-bbe>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** ODU Background Block Error Threshold crossing defect trigger.

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

## **<odu-tca-es> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

- Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <otn-options>  
                     <trigger>  
                         **<odu-tca-es>**  
                             <ignore/>  
                             <hold-time>...</hold-time>  
                         **</odu-tca-es>**  
                     </trigger>  
                 </otn-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>
- Description** ODU Errored Seconds Threshold crossing defect trigger.
- Contents** <hold-time>—Delay before marking interface up or down for defect.  
     <ignore>—Ignore the defect.

## **<odu-tca-es> (configuration/interfaces/interface/otn-options/trigger)**

---

- Usage** <configuration>  
     <interfaces>  
         <interface>  
             <otn-options>  
                 <trigger>  
                     **<odu-tca-es>**  
                         <ignore/>  
                         <hold-time>...</hold-time>  
                     **</odu-tca-es>**  
                 </trigger>  
             </otn-options>  
         </interface>  
     </interfaces>  
 </configuration>
- Description** ODU Errored Seconds Threshold crossing defect trigger.
- Contents** <hold-time>—Delay before marking interface up or down for defect.  
     <ignore>—Ignore the defect.

## **<odu-tca-ses> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-tca-ses>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-tca-ses>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** ODU Severely Errored Seconds Threshold crossing defect trigger.

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

<ignore>—Ignore the defect.

## **<odu-tca-ses> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-tca-ses>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-tca-ses>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** ODU Severely Errored Seconds Threshold crossing defect trigger.

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

<ignore>—Ignore the defect.



## **<odu-tca-uas> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

- Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <otn-options>  
                     <trigger>  
                         **<odu-tca-uas>**  
                             <ignore/>  
                             <hold-time>...</hold-time>  
                         **</odu-tca-uas>**  
                     </trigger>  
                 </otn-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>
- Description** ODU Unavailable Seconds Threshold crossing defect trigger.
- Contents** <hold-time>—Delay before marking interface up or down for defect.  
     <ignore>—Ignore the defect.

## **<odu-tca-uas> (configuration/interfaces/interface/otn-options/trigger)**

---

- Usage** <configuration>  
     <interfaces>  
         <interface>  
             <otn-options>  
                 <trigger>  
                     **<odu-tca-uas>**  
                         <ignore/>  
                         <hold-time>...</hold-time>  
                     **</odu-tca-uas>**  
                 </trigger>  
             </otn-options>  
         </interface>  
     </interfaces>  
 </configuration>
- Description** ODU Unavailable Seconds Threshold crossing defect trigger.
- Contents** <hold-time>—Delay before marking interface up or down for defect.  
     <ignore>—Ignore the defect.

## **<odu-ttim> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-ttim>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-ttim>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** ODU Trail Trace Identifier Mismatch defect trigger.

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

## **<odu-ttim> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<odu-ttim>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</odu-ttim>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** ODU Trail Trace Identifier Mismatch defect trigger.

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

**<oid> (configuration/snmp/v3/notify-filter)**

---

**Usage** <configuration>  
           <snmp>  
             <v3>  
               <notify-filter>  
                 **<oid>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <include/>  
                   <exclude/>  
                 **</oid>**  
               </notify-filter>  
             </v3>  
           </snmp>  
         </configuration>

**Description**   OID include/exclude list.

**Contents**   <exclude>—Exclude this OID from the notify filter.  
               <include>—Include this OID in the notify filter.  
               <name>—OID to include/exclude from notify filter.

**<oid> (configuration/snmp/view)**

---

**Usage** <configuration>  
           <snmp>  
             <view>  
               **<oid>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <include/>  
                 <exclude/>  
               **</oid>**  
             </view>  
           </snmp>  
         </configuration>

**Description**   OID include/exclude list.

**Contents**   <exclude>—Exclude this OID from the view.  
               <include>—Include this OID in the view.  
               <name>—OID to include or exclude from view.

**<on-disk-failure> (configuration/chassis/routing-engine)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;chassis&gt;     &lt;routing-engine&gt;       &lt;on-disk-failure&gt;         &lt;disk-failure-action&gt;disk-failure-action-choice&lt;/disk-failure-action&gt;       &lt;/on-disk-failure&gt;     &lt;/routing-engine&gt;   &lt;/chassis&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Action to take when Routing Engine disk fails.
<b>Contents</b>	<p>&lt;disk-failure-action&gt;—No documentation is available yet.</p> <ul style="list-style-type: none"> <li>■ halt—Halt on disk failure.</li> <li>■ reboot—Reboot on disk failure.</li> </ul>

**<op> (configuration/system/scripts)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;scripts&gt;       &lt;op&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;file&gt;...&lt;/file&gt;         &lt;refresh/&gt;         &lt;refresh-from&gt;refresh-from&lt;/refresh-from&gt;       &lt;/op&gt;     &lt;/scripts&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Operations scripting.
<b>Contents</b>	<p>&lt;file&gt;—Configuration for each operation script.</p> <p>&lt;refresh&gt;—Refresh all operation scripts from their source.</p> <p>&lt;refresh-from&gt;—Refresh all operation scripts from a given base URL.</p> <p>&lt;traceoptions&gt;—Trace options for operation scripts.</p>

## **<operation> (configuration/services/ggsn/service-identification/ftp-rule/term/from/ftp)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <ftp-rule>  
           <term>  
           <from>  
           <ftp>  
               **<operation>**  
               <retrieve/>  
               <store/>  
               **</operation>**  
           </ftp>  
           </from>  
           </term>  
           </ftp-rule>  
           </service-identification>  
           </ggsn>  
           </services>  
           </configuration>

**Description**   Limit match to operation being performed.

**Contents**   <retrieve>—Apply rule for RETR operation.

              <store>—Apply rule for STORE operation.

## **<operation> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <operation>
                  <delete/>
                  <get/>
                  <head/>
                  <options/>
                  <post/>
                  <put/>
                  <trace/>
                  <connect/>
                </operation>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

**Description** Limit match to operation being performed.

**Contents** <connect>—Apply rule for connect.

<delete>—Apply rule for delete.

<get>—Apply rule for get.

<head>—Apply rule for head.

<options>—Apply rule for options.

<post>—Apply rule for post.

<put>—Apply rule for put.

<trace>—Apply rule for trace.

## **<operation> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/wsp)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <http-wsp-rule>  
                     <term>  
                         <from>  
                             <wsp>  
                                 **<operation>**  
                                     <delete/>  
                                     <get/>  
                                     <head/>  
                                     <options/>  
                                     <post/>  
                                     <put/>  
                                     <trace/>  
                                     <connect/>  
                                 **</operation>**  
                             </wsp>  
                         </from>  
                     </term>  
                 </http-wsp-rule>  
             </service-identification>  
         </ggsn>  
     </services>  
</configuration>

**Description** Limit match to operation being performed.

**Contents** <connect>—Apply rule for connect.

<delete>—Apply rule for delete.

<get>—Apply rule for get.

<head>—Apply rule for head.

<options>—Apply rule for options.

<post>—Apply rule for post.

<put>—Apply rule for put.

<trace>—Apply rule for trace.

## **<operation> (configuration/services/ggsn/service-identification/pop3-rule/term/from/pop3)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <pop3-rule>
          <term>
            <from>
              <pop3>
                <operation>
                  <retr/>
                  <top/>
                  <list/>
                </operation>
              </pop3>
            </from>
          </term>
        </pop3-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

**Description** Limit match to operation being performed.

**Contents** <list>—Apply rule for list server content operation.

<retr>—Apply rule for retr single email operation.

<top>—Apply rule for get email header operation.



## **<operation> (configuration/services/ggsn/service-identification/tftp-rule/term/from/tftp)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <tftp-rule>  
                     <term>  
                         <from>  
                             <tftp>  
                                 **<operation>**  
                                     <read-request/>  
                                     <write-request/>  
                                 **</operation>**  
                             </tftp>  
                         </from>  
                     </term>  
                 </tftp-rule>  
             </service-identification>  
         </ggsn>  
     </services>  
</configuration>

**Description** Limit match to operation being performed.

**Contents** <read-request>—Apply rule for read-request operation.  
             <write-request>—Apply rule for write-request operation.

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

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
             **<optics-options>**  
               <wavelength>wavelength-choice</wavelength>  
             **</optics-options>**  
           </interface>  
         </interfaces>  
       </dynamic-profiles>  
     </configuration>

**Description** Optics options.

**Contents** <wavelength>—Wavelength of the optics (nanometers) for 50Ghz/100Ghz spacing.

- 1528.77—1528.77 nm 50/100Ghz spacing.
- 1529.16—1529.16 nm 50Ghz spacing.
- 1529.55—1529.55 nm 50/100Ghz spacing.
- 1529.94—1529.94 nm 50Ghz spacing.
- 1530.33—1530.33 nm 50/100Ghz spacing.
- 1530.72—1530.72 nm 50Ghz spacing.
- 1531.12—1531.12 nm 50/100Ghz spacing.
- 1531.51—1531.51 nm 50Ghz spacing.
- 1531.90—1531.90 nm 50/100Ghz spacing.
- 1532.29—1532.29 nm 50Ghz spacing.
- 1532.68—1532.68 nm 50/100Ghz spacing.
- 1533.07—1533.07 nm 50Ghz spacing.
- 1533.47—1533.47 nm 50/100Ghz spacing.
- 1533.86—1533.86 nm 50Ghz spacing.
- 1534.25—1534.25 nm 50/100Ghz spacing.
- 1534.64—1534.64 nm 50Ghz spacing.
- 1535.04—1535.04 nm 50/100Ghz spacing.
- 1535.43—1535.43 nm 50Ghz spacing.

- 1535.82—1535.82 nm 50/100Ghz spacing.
- 1536.22—1536.22 nm 50Ghz spacing.
- 1536.61—1536.61 nm 50/100Ghz spacing.
- 1537.00—1537.00 nm 50Ghz spacing.
- 1537.40—1537.40 nm 50/100Ghz spacing.
- 1537.79—1537.79 nm 50Ghz spacing.
- 1538.19—1538.19 nm 50/100Ghz spacing.
- 1538.58—1538.58 nm 50Ghz spacing.
- 1538.98—1538.98 nm 50/100Ghz spacing.
- 1539.37—1539.37 nm 50Ghz spacing.
- 1539.77—1539.77 nm 50/100Ghz spacing.
- 1540.16—1540.16 nm 50Ghz spacing.
- 1540.56—1540.56 nm 50/100Ghz spacing.
- 1540.95—1540.95 nm 50Ghz spacing.
- 1541.35—1541.35 nm 50/100Ghz spacing.
- 1541.75—1541.75 nm 50Ghz spacing.
- 1542.14—1542.14 nm 50/100Ghz spacing.
- 1542.54—1542.54 nm 50Ghz spacing.
- 1542.94—1542.94 nm 50/100Ghz spacing.
- 1543.33—1543.33 nm 50Ghz spacing.
- 1543.73—1543.73 nm 50/100Ghz spacing.
- 1544.13—1544.13 nm 50Ghz spacing.
- 1544.53—1544.53 nm 50/100Ghz spacing.
- 1544.92—1544.92 nm 50Ghz spacing.
- 1545.32—1545.32 nm 50/100Ghz spacing.
- 1545.72—1545.72 nm 50Ghz spacing.
- 1546.12—1546.12 nm 50/100Ghz spacing.
- 1546.52—1546.52 nm 50Ghz spacing.

- 1546.92—1546.92 nm 50/100Ghz spacing.
- 1547.32—1547.32 nm 50Ghz spacing.
- 1547.72—1547.72 nm 50/100Ghz spacing.
- 1548.11—1548.11 nm 50Ghz spacing.
- 1548.51—1548.51 nm 50/100Ghz spacing.
- 1548.91—1548.91 nm 50Ghz spacing.
- 1549.32—1549.32 nm 50/100Ghz spacing.
- 1549.72—1549.72 nm 50Ghz spacing.
- 1550.12—1550.12 nm 50/100Ghz spacing.
- 1550.52—1550.52 nm 50Ghz spacing.
- 1550.92—1550.92 nm 50/100Ghz spacing.
- 1551.32—1551.32 nm 50Ghz spacing.
- 1551.72—1551.72 nm 50/100Ghz spacing.
- 1552.12—1552.12 nm 50Ghz spacing.
- 1552.52—1552.52 nm 50/100Ghz spacing.
- 1552.93—1552.93 nm 50Ghz spacing.
- 1553.33—1553.33 nm 50/100Ghz spacing.
- 1553.73—1553.73 nm 50Ghz spacing.
- 1554.13—1554.13 nm 50/100Ghz spacing.
- 1554.54—1554.54 nm 50Ghz spacing.
- 1554.94—1554.94 nm 50/100Ghz spacing.
- 1555.34—1555.34 nm 50Ghz spacing.
- 1555.75—1555.75 nm 50/100Ghz spacing.
- 1556.15—1556.15 nm 50Ghz spacing.
- 1556.55—1556.55 nm 50/100Ghz spacing.
- 1556.96—1556.96 nm 50Ghz spacing.
- 1557.36—1557.36 nm 50/100Ghz spacing.
- 1557.77—1557.77 nm 50Ghz spacing.

- 1558.17—1558.17 nm 50/100Ghz spacing.
- 1558.58—1558.58 nm 50Ghz spacing.
- 1558.98—1558.98 nm 50/100Ghz spacing.
- 1559.39—1559.39 nm 50Ghz spacing.
- 1559.79—1559.79 nm 50/100Ghz spacing.
- 1560.20—1560.20 nm 50Ghz spacing.
- 1560.61—1560.61 nm 50/100Ghz spacing.
- 1561.01—1561.01 nm 50Ghz spacing.
- 1561.42—1561.42 nm 50/100Ghz spacing.
- 1561.83—1561.83 nm 50Ghz spacing.
- 1562.23—1562.23 nm 50/100Ghz spacing.
- 1562.64—1562.64 nm 50Ghz spacing.
- 1563.05—1563.05 nm 50/100Ghz spacing.
- 1563.45—1563.45 nm 50Ghz spacing.
- 1563.86—1563.86 nm 50/100Ghz spacing.

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

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               **<optics-options>**  
                 <wavelength>wavelength-choice</wavelength>  
               **</optics-options>**  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Optics options.

**Contents** <wavelength>—Wavelength of the optics (nanometers) for 50Ghz/100Ghz spacing.

- 1528.77—1528.77 nm 50/100Ghz spacing.
- 1529.16—1529.16 nm 50Ghz spacing.
- 1529.55—1529.55 nm 50/100Ghz spacing.
- 1529.94—1529.94 nm 50Ghz spacing.
- 1530.33—1530.33 nm 50/100Ghz spacing.
- 1530.72—1530.72 nm 50Ghz spacing.
- 1531.12—1531.12 nm 50/100Ghz spacing.
- 1531.51—1531.51 nm 50Ghz spacing.
- 1531.90—1531.90 nm 50/100Ghz spacing.
- 1532.29—1532.29 nm 50Ghz spacing.
- 1532.68—1532.68 nm 50/100Ghz spacing.
- 1533.07—1533.07 nm 50Ghz spacing.
- 1533.47—1533.47 nm 50/100Ghz spacing.
- 1533.86—1533.86 nm 50Ghz spacing.
- 1534.25—1534.25 nm 50/100Ghz spacing.
- 1534.64—1534.64 nm 50Ghz spacing.
- 1535.04—1535.04 nm 50/100Ghz spacing.
- 1535.43—1535.43 nm 50Ghz spacing.
- 1535.82—1535.82 nm 50/100Ghz spacing.
- 1536.22—1536.22 nm 50Ghz spacing.

- 1536.61—1536.61 nm 50/100Ghz spacing.
- 1537.00—1537.00 nm 50Ghz spacing.
- 1537.40—1537.40 nm 50/100Ghz spacing.
- 1537.79—1537.79 nm 50Ghz spacing.
- 1538.19—1538.19 nm 50/100Ghz spacing.
- 1538.58—1538.58 nm 50Ghz spacing.
- 1538.98—1538.98 nm 50/100Ghz spacing.
- 1539.37—1539.37 nm 50Ghz spacing.
- 1539.77—1539.77 nm 50/100Ghz spacing.
- 1540.16—1540.16 nm 50Ghz spacing.
- 1540.56—1540.56 nm 50/100Ghz spacing.
- 1540.95—1540.95 nm 50Ghz spacing.
- 1541.35—1541.35 nm 50/100Ghz spacing.
- 1541.75—1541.75 nm 50Ghz spacing.
- 1542.14—1542.14 nm 50/100Ghz spacing.
- 1542.54—1542.54 nm 50Ghz spacing.
- 1542.94—1542.94 nm 50/100Ghz spacing.
- 1543.33—1543.33 nm 50Ghz spacing.
- 1543.73—1543.73 nm 50/100Ghz spacing.
- 1544.13—1544.13 nm 50Ghz spacing.
- 1544.53—1544.53 nm 50/100Ghz spacing.
- 1544.92—1544.92 nm 50Ghz spacing.
- 1545.32—1545.32 nm 50/100Ghz spacing.
- 1545.72—1545.72 nm 50Ghz spacing.
- 1546.12—1546.12 nm 50/100Ghz spacing.
- 1546.52—1546.52 nm 50Ghz spacing.
- 1546.92—1546.92 nm 50/100Ghz spacing.
- 1547.32—1547.32 nm 50Ghz spacing.

- 1547.72—1547.72 nm 50/100Ghz spacing.
- 1548.11—1548.11 nm 50Ghz spacing.
- 1548.51—1548.51 nm 50/100Ghz spacing.
- 1548.91—1548.91 nm 50Ghz spacing.
- 1549.32—1549.32 nm 50/100Ghz spacing.
- 1549.72—1549.72 nm 50Ghz spacing.
- 1550.12—1550.12 nm 50/100Ghz spacing.
- 1550.52—1550.52 nm 50Ghz spacing.
- 1550.92—1550.92 nm 50/100Ghz spacing.
- 1551.32—1551.32 nm 50Ghz spacing.
- 1551.72—1551.72 nm 50/100Ghz spacing.
- 1552.12—1552.12 nm 50Ghz spacing.
- 1552.52—1552.52 nm 50/100Ghz spacing.
- 1552.93—1552.93 nm 50Ghz spacing.
- 1553.33—1553.33 nm 50/100Ghz spacing.
- 1553.73—1553.73 nm 50Ghz spacing.
- 1554.13—1554.13 nm 50/100Ghz spacing.
- 1554.54—1554.54 nm 50Ghz spacing.
- 1554.94—1554.94 nm 50/100Ghz spacing.
- 1555.34—1555.34 nm 50Ghz spacing.
- 1555.75—1555.75 nm 50/100Ghz spacing.
- 1556.15—1556.15 nm 50Ghz spacing.
- 1556.55—1556.55 nm 50/100Ghz spacing.
- 1556.96—1556.96 nm 50Ghz spacing.
- 1557.36—1557.36 nm 50/100Ghz spacing.
- 1557.77—1557.77 nm 50Ghz spacing.
- 1558.17—1558.17 nm 50/100Ghz spacing.
- 1558.58—1558.58 nm 50Ghz spacing.



- 1558.98—1558.98 nm 50/100Ghz spacing.
- 1559.39—1559.39 nm 50Ghz spacing.
- 1559.79—1559.79 nm 50/100Ghz spacing.
- 1560.20—1560.20 nm 50Ghz spacing.
- 1560.61—1560.61 nm 50/100Ghz spacing.
- 1561.01—1561.01 nm 50Ghz spacing.
- 1561.42—1561.42 nm 50/100Ghz spacing.
- 1561.83—1561.83 nm 50Ghz spacing.
- 1562.23—1562.23 nm 50/100Ghz spacing.
- 1562.64—1562.64 nm 50Ghz spacing.
- 1563.05—1563.05 nm 50/100Ghz spacing.
- 1563.45—1563.45 nm 50Ghz spacing.
- 1563.86—1563.86 nm 50/100Ghz spacing.

## <option> (configuration/access/address-assignment/pool/family/inet/dhcp-attributes)

---

**Usage** <configuration>  
     <access>  
         <address-assignment>  
             <pool>  
                 <family>  
                     <inet>  
                         <dhcp-attributes>  
                             **<option>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <flag>*flag-choice*</flag>  
                                 <byte>*byte*</byte>  
                                 <short>*short*</short>  
                                 <unsigned-short>*unsigned-short*</unsigned-short>  
                                 <integer>*integer*</integer>  
                                 <unsigned-integer>*unsigned-integer*</unsigned-integer>  
                                 <string>*string*</string>  
                                 <ip-address>*ip-address*</ip-address>  
                                 <array>...</array>  
                             **</option>**  
                         </dhcp-attributes>  
                     </inet>  
                 </family>  
             </pool>  
         </address-assignment>  
     </access>  
</configuration>

**Description** DHCP option.

**Contents** <array>—Array of values.

<byte>—Unsigned 8-bit value.

<flag>—Boolean flag value.

- false—False value.
- off—Off value.
- on—On value.
- true—True value.

<integer>—Signed 32-bit numeric value.

<ip-address>—IP address value.

<name>—DHCP option identifier code.

<short>—Signed 16-bit numeric value.

<string>—Character string value.

<unsigned-integer>—Unsigned 32-bit numeric value.

<unsigned-short>—Unsigned 16-bit numeric value.

## <option> (configuration/logical-systems/access/address-assignment/pool/family/inet/dhcp-attributes)

---

**Usage**

```

<configuration>
  <logical-systems>
    <access>
      <address-assignment>
        <pool>
          <family>
            <inet>
              <dhcp-attributes>
                <option>
                  <name>name</name>    <!-- identifier -->
                  <flag>flag-choice</flag>
                  <byte>byte</byte>
                  <short>short</short>
                  <unsigned-short>unsigned-short</unsigned-short>
                  <integer>integer</integer>
                  <unsigned-integer>unsigned-integer</unsigned-integer>
                  <string>string</string>
                  <ip-address>ip-address</ip-address>
                  <array>...</array>
                </option>
              </dhcp-attributes>
            </inet>
          </family>
        </pool>
      </address-assignment>
    </access>
  </logical-systems>
</configuration>

```

**Description** DHCP option.

**Contents**

- <array>—Array of values.
- <byte>—Unsigned 8-bit value.
- <flag>—Boolean flag value.
  - false—False value.
  - off—Off value.
  - on—On value.
  - true—True value.
- <integer>—Signed 32-bit numeric value.
- <ip-address>—IP address value.
- <name>—DHCP option identifier code.
- <short>—Signed 16-bit numeric value.

<string>—Character string value.

<unsigned-integer>—Unsigned 32-bit numeric value.

<unsigned-short>—Unsigned 16-bit numeric value.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <access>
          <address-assignment>
            <pool>
              <family>
                <inet>
                  <dhcp-attributes>
                    <option>
                      <name>name</name>    <!-- identifier -->
                      <flag>flag-choice</flag>
                      <byte>byte</byte>
                      <short>short</short>
                      <unsigned-short>unsigned-short</unsigned-short>
                      <integer>integer</integer>
                      <unsigned-integer>unsigned-integer</unsigned-integer>
                      <string>string</string>
                      <ip-address>ip-address</ip-address>
                      <array>...</array>
                    </option>
                  </dhcp-attributes>
                </inet>
              </family>
            </pool>
          </address-assignment>
        </access>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** DHCP option.

**Contents** <array>—Array of values.

<byte>—Unsigned 8-bit value.

<flag>—Boolean flag value.

■ false—False value.

■ off—Off value.

■ on—On value.

■ true—True value.

<integer>—Signed 32-bit numeric value.

<ip-address>—IP address value.

<name>—DHCP option identifier code.

<short>—Signed 16-bit numeric value.

<string>—Character string value.

<unsigned-integer>—Unsigned 32-bit numeric value.

<unsigned-short>—Unsigned 16-bit numeric value.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <access>  
                 <address-assignment>  
                     <pool>  
                         <family>  
                             <inet>  
                                 <dhcp-attributes>  
                                     **<option>**  
   <name>*name*</name>   <!-- identifier -->  
   <flag>*flag-choice*</flag>  
   <byte>*byte*</byte>  
   <short>*short*</short>  
   <unsigned-short>*unsigned-short*</unsigned-short>  
   <integer>*integer*</integer>  
   <unsigned-integer>*unsigned-integer*</unsigned-integer>  
   <string>*string*</string>  
   <ip-address>*ip-address*</ip-address>  
   <array>...</array>  
                                     **</option>**  
                                 </dhcp-attributes>  
                             </inet>  
                         </family>  
                     </pool>  
                 </address-assignment>  
             </access>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** DHCP option.

**Contents** <array>—Array of values.

<byte>—Unsigned 8-bit value.

<flag>—Boolean flag value.

■ false—False value.

■ off—Off value.

■ on—On value.

■ true—True value.

<integer>—Signed 32-bit numeric value.

<ip-address>—IP address value.



- <name>—DHCP option identifier code.
- <short>—Signed 16-bit numeric value.
- <string>—Character string value.
- <unsigned-integer>—Unsigned 32-bit numeric value.
- <unsigned-short>—Unsigned 16-bit numeric value.

**<option> (configuration/security/idp/custom-attack/attack-type/  
chain/member/attack-type/signature/protocol/tcp)**

---

```
Usage  <configuration>
      <security>
      <idp>
      <custom-attack>
      <attack-type>
      <chain>
      <member>
      <attack-type>
      <signature>
      <protocol>
      <tcp>
      <option>
      <match>match-choice</match>    <!-- mandatory -->
      <value>value</value>          <!-- mandatory -->
      </option>
      </tcp>
      </protocol>
      </signature>
      </attack-type>
      </member>
      </chain>
      </attack-type>
      </custom-attack>
      </idp>
      </security>
      </configuration>
```

**Description** Kind.

- Contents** <match>—Match condition.
- equal—Match when value in packet is exact match.
  - greater-than—Match when value in packet is greater.
  - less-than—Match when value in packet is less.
  - not-equal—Match when value in packet is not exact match.
- <value>—Match value.

## **<option> (configuration/security/idp/custom-attack/attack-type/signature/protocol/tcp)**

---

**Usage**   <configuration>  
           <security>  
           <idp>  
           <custom-attack>  
           <attack-type>  
           <signature>  
           <protocol>  
           <tcp>  
             **<option>**  
               <match>*match-choice*</match>   <!-- mandatory -->  
               <value>*value*</value>   <!-- mandatory -->  
             **</option>**  
           </tcp>  
           </protocol>  
           </signature>  
           </attack-type>  
           </custom-attack>  
           </idp>  
           </security>  
         </configuration>

**Description**   Kind.

**Contents**   <match>—Match condition.

- equal—Match when value in packet is exact match.
- greater-than—Match when value in packet is greater.
- less-than—Match when value in packet is less.
- not-equal—Match when value in packet is not exact match.

<value>—Match value.

**<option> (configuration/system/services/dhcp)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp>  
                 **<option>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <flag>*flag-choice*</flag>  
                   <byte>*byte*</byte>  
                   <short>*short*</short>  
                   <unsigned-short>*unsigned-short*</unsigned-short>  
                   <integer>*integer*</integer>  
                   <unsigned-integer>*unsigned-integer*</unsigned-integer>  
                   <string>*string*</string>  
                   <ip-address>*ip-address*</ip-address>  
                   <array>...</array>  
                 **</option>**  
               </dhcp>  
             </services>  
           </system>  
         </configuration>

**Description** DHCP option.

**Contents** <array>—Array of values.

<byte>—Unsigned 8-bit value.

<flag>—Boolean flag value.

■ false—False value.

■ off—Off value.

■ on—On value.

■ true—True value.

<integer>—Signed 32-bit numeric value.

<ip-address>—IP address value.

<name>—DHCP option identifier code.

<short>—Signed 16-bit numeric value.

<string>—Character string value.

<unsigned-integer>—Unsigned 32-bit numeric value.

<unsigned-short>—Unsigned 16-bit numeric value.

**<option> (configuration/system/services/dhcp/pool)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp>  
                 <pool>  
                   **<option>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <flag>*flag-choice*</flag>  
                     <byte>*byte*</byte>  
                     <short>*short*</short>  
                     <unsigned-short>*unsigned-short*</unsigned-short>  
                     <integer>*integer*</integer>  
                     <unsigned-integer>*unsigned-integer*</unsigned-integer>  
                     <string>*string*</string>  
                     <ip-address>*ip-address*</ip-address>  
                     <array>...</array>  
                   **</option>**  
                 </pool>  
               </dhcp>  
             </services>  
           </system>  
         </configuration>

**Description** DHCP option.

**Contents** <array>—Array of values.

<byte>—Unsigned 8-bit value.

<flag>—Boolean flag value.

■ false—False value.

■ off—Off value.

■ on—On value.

■ true—True value.

<integer>—Signed 32-bit numeric value.

<ip-address>—IP address value.

<name>—DHCP option identifier code.

<short>—Signed 16-bit numeric value.

<string>—Character string value.

<unsigned-integer>—Unsigned 32-bit numeric value.

<unsigned-short>—Unsigned 16-bit numeric value.

**<option> (configuration/system/services/dhcp/static-binding)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp>  
                 <static-binding>  
                   **<option>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <flag>*flag-choice*</flag>  
                     <byte>*byte*</byte>  
                     <short>*short*</short>  
                     <unsigned-short>*unsigned-short*</unsigned-short>  
                     <integer>*integer*</integer>  
                     <unsigned-integer>*unsigned-integer*</unsigned-integer>  
                     <string>*string*</string>  
                     <ip-address>*ip-address*</ip-address>  
                     <array>...</array>  
                   **</option>**  
                 </static-binding>  
               </dhcp>  
             </services>  
           </system>  
         </configuration>

**Description** DHCP option.

**Contents** <array>—Array of values.

<byte>—Unsigned 8-bit value.

<flag>—Boolean flag value.

■ false—False value.

■ off—Off value.

■ on—On value.

■ true—True value.

<integer>—Signed 32-bit numeric value.

<ip-address>—IP address value.

<name>—DHCP option identifier code.

<short>—Signed 16-bit numeric value.

<string>—Character string value.

<unsigned-integer>—Unsigned 32-bit numeric value.

<unsigned-short>—Unsigned 16-bit numeric value.

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

---

**Usage**   <configuration>  
          <access>  
          <address-assignment>  
          <pool>  
          <family>  
          <inet>  
          <dhcp-attributes>  
          <option-match>  
          **<option-82>**  
          <circuit-id>...</circuit-id>  
          <remote-id>...</remote-id>  
          **</option-82>**  
          </option-match>  
          </dhcp-attributes>  
          </inet>  
          </family>  
          </pool>  
          </address-assignment>  
          </access>  
          </configuration>

**Description**   No documentation is available yet.

**Contents**   <circuit-id>—Circuit ID portion of the option 82.  
              <remote-id>—Remote ID portion of the option 82.

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

---

**Usage**   <configuration>  
           <bridge-domains>  
           <domain>  
           <forwarding-options>  
           <dhcp-relay>  
           <authentication>  
           <username-include>  
               **<option-82>**  
                   <circuit-id/>  
                   <remote-id/>  
               **</option-82>**  
               </username-include>  
           </authentication>  
           </dhcp-relay>  
           </forwarding-options>  
           </domain>  
           </bridge-domains>  
           </configuration>

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

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

---

**Usage**   <configuration>  
          <bridge-domains>  
          <domain>  
          <forwarding-options>  
          <dhcp-relay>  
          <group>  
          <authentication>  
          <username-include>  
            **<option-82>**  
            <circuit-id/>  
            <remote-id/>  
            **</option-82>**  
          </username-include>  
          </authentication>  
          </group>  
          </dhcp-relay>  
          </forwarding-options>  
          </domain>  
          </bridge-domains>  
          </configuration>

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
              <remote-id>—Include option 82 remote-id (sub option 2).



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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;dhcp-relay&gt;       &lt;authentication&gt;         &lt;username-include&gt;           &lt;option-82&gt;             &lt;circuit-id/&gt;             &lt;remote-id/&gt;           &lt;/option-82&gt;         &lt;/username-include&gt;       &lt;/authentication&gt;     &lt;/dhcp-relay&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Include option 82.
<b>Contents</b>	<p>&lt;circuit-id&gt;—Include option 82 circuit-id (sub option 1).</p> <p>&lt;remote-id&gt;—Include option 82 remote-id (sub option 2).</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;dhcp-relay&gt;       &lt;group&gt;         &lt;authentication&gt;           &lt;username-include&gt;             &lt;option-82&gt;               &lt;circuit-id/&gt;               &lt;remote-id/&gt;             &lt;/option-82&gt;           &lt;/username-include&gt;         &lt;/authentication&gt;       &lt;/group&gt;     &lt;/dhcp-relay&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Include option 82.
<b>Contents</b>	<p>&lt;circuit-id&gt;—Include option 82 circuit-id (sub option 1).</p> <p>&lt;remote-id&gt;—Include option 82 remote-id (sub option 2).</p>

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <access>
      <address-assignment>
        <pool>
          <family>
            <inet>
              <dhcp-attributes>
                <option-match>
                  <option-82>
                    <circuit-id>...</circuit-id>
                    <remote-id>...</remote-id>
                  </option-82>
                </option-match>
              </dhcp-attributes>
            </inet>
          </family>
        </pool>
      </address-assignment>
    </access>
  </logical-systems>
</configuration>

```

**Description** No documentation is available yet.

**Contents** <circuit-id>—Circuit ID portion of the option 82.  
 <remote-id>—Remote ID portion of the option 82.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <forwarding-options>  
             <dhcp-relay>  
                 <authentication>  
                     <username-include>  
                         **<option-82>**  
                             <circuit-id/>  
                             <remote-id/>  
                         **</option-82>**  
                     </username-include>  
                 </authentication>  
             </dhcp-relay>  
         </forwarding-options>  
     </logical-systems>  
 </configuration>

**Description** Include option 82.

**Contents** <circuit-id>—Include option 82 circuit-id (sub option 1).  
             <remote-id>—Include option 82 remote-id (sub option 2).

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

---

**Usage** <configuration>  
     <logical-systems>  
         <forwarding-options>  
             <dhcp-relay>  
                 <group>  
                     <authentication>  
                         <username-include>  
                             **<option-82>**  
                                 <circuit-id/>  
                                 <remote-id/>  
                             **</option-82>**  
                         </username-include>  
                     </authentication>  
                 </group>  
             </dhcp-relay>  
         </forwarding-options>  
     </logical-systems>  
 </configuration>

**Description** Include option 82.

**Contents** <circuit-id>—Include option 82 circuit-id (sub option 1).  
             <remote-id>—Include option 82 remote-id (sub option 2).

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <access>
          <address-assignment>
            <pool>
              <family>
                <inet>
                  <dhcp-attributes>
                    <option-match>
                      <option-82>
                        <circuit-id>...</circuit-id>
                        <remote-id>...</remote-id>
                      </option-82>
                    </option-match>
                  </dhcp-attributes>
                </inet>
              </family>
            </pool>
          </address-assignment>
        </access>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** No documentation is available yet.

**Contents**

- <circuit-id>—Circuit ID portion of the option 82.
- <remote-id>—Remote ID portion of the option 82.

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

---

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

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <bridge-domains>
          <domain>
            <forwarding-options>
              <dhcp-relay>
                <group>
                  <authentication>
                    <username-include>
                      <option-82>
                        <circuit-id/>
                        <remote-id/>
                      </option-82>
                    </username-include>
                  </authentication>
                </group>
              </dhcp-relay>
            </forwarding-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Include option 82.

**Contents**

- <circuit-id>—Include option 82 circuit-id (sub option 1).
- <remote-id>—Include option 82 remote-id (sub option 2).

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

---

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

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

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

---

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

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
              <remote-id>—Include option 82 remote-id (sub option 2).



## **<option-82> (configuration/logical-systems/routing-instances/instance/system/services/dhcp-local-server/authentication/username-include)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <system>  
           <services>  
           <dhcp-local-server>  
           <authentication>  
           <username-include>  
               **<option-82>**  
                   <circuit-id/>  
                   <remote-id/>  
               **</option-82>**  
           </username-include>  
           </authentication>  
           </dhcp-local-server>  
           </services>  
           </system>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

## **<option-82> (configuration/logical-systems/routing-instances/instance/system/services/dhcp-local-server/group/authentication/username-include)**

---

**Usage**

```
<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <system>
          <services>
            <dhcp-local-server>
              <group>
                <authentication>
                  <username-include>
                    <option-82>
                      <circuit-id/>
                      <remote-id/>
                    </option-82>
                  </username-include>
                </authentication>
              </group>
            </dhcp-local-server>
          </services>
        </system>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>
```

**Description** Include option 82.

**Contents** <circuit-id>—Include option 82 circuit-id (sub option 1).  
<remote-id>—Include option 82 remote-id (sub option 2).

## **<option-82> (configuration/logical-systems/system/services/dhcp-local-server/authentication/username-include)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <system>  
           <services>  
           <dhcp-local-server>  
           <authentication>  
           <username-include>  
             **<option-82>**  
               <circuit-id/>  
               <remote-id/>  
             **</option-82>**  
           </username-include>  
           </authentication>  
           </dhcp-local-server>  
           </services>  
           </system>  
           </logical-systems>  
           </configuration>

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

## **<option-82> (configuration/logical-systems/system/services/dhcp-local-server/group/authentication/username-include)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <system>  
          <services>  
          <dhcp-local-server>  
          <group>  
          <authentication>  
          <username-include>  
            **<option-82>**  
            <ircuit-id/>  
            <remote-id/>  
            **</option-82>**  
          </username-include>  
          </authentication>  
          </group>  
          </dhcp-local-server>  
          </services>  
          </system>  
          </logical-systems>  
          </configuration>

**Description**   Include option 82.

**Contents**   <ircuit-id>—Include option 82 circuit-id (sub option 1).  
              <remote-id>—Include option 82 remote-id (sub option 2).

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <access>  
           <address-assignment>  
           <pool>  
           <family>  
           <inet>  
           <dhcp-attributes>  
           <option-match>  
           **<option-82>**  
               <circuit-id>...</circuit-id>  
               <remote-id>...</remote-id>  
           **</option-82>**  
           </option-match>  
           </dhcp-attributes>  
           </inet>  
           </family>  
           </pool>  
           </address-assignment>  
           </access>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   No documentation is available yet.

**Contents**   <circuit-id>—Circuit ID portion of the option 82.  
               <remote-id>—Remote ID portion of the option 82.

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

---

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

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
              <remote-id>—Include option 82 remote-id (sub option 2).

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

---

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

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <forwarding-options>  
          <dhcp-relay>  
          <authentication>  
          <username-include>  
          **<option-82>**  
          <ircuit-id/>  
          <remote-id/>  
          **</option-82>**  
          </username-include>  
          </authentication>  
          </dhcp-relay>  
          </forwarding-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Include option 82.

**Contents**   <ircuit-id>—Include option 82 circuit-id (sub option 1).  
              <remote-id>—Include option 82 remote-id (sub option 2).



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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <dhcp-relay>  
           <group>  
           <authentication>  
           <username-include>  
           **<option-82>**  
           <circuit-id/>  
           <remote-id/>  
           **</option-82>**  
           </username-include>  
           </authentication>  
           </group>  
           </dhcp-relay>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

**<option-82> (configuration/routing-instances/instance/system/services/dhcp-local-server/authentication/username-include)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <system>  
          <services>  
          <dhcp-local-server>  
          <authentication>  
          <username-include>  
            **<option-82>**  
            <circuit-id/>  
            <remote-id/>  
            **</option-82>**  
          </username-include>  
          </authentication>  
          </dhcp-local-server>  
          </services>  
          </system>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
              <remote-id>—Include option 82 remote-id (sub option 2).

## **<option-82> (configuration/routing-instances/instance/system/services/dhcp-local-server/group/authentication/username-include)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <system>  
           <services>  
           <dhcp-local-server>  
           <group>  
           <authentication>  
           <username-include>  
               **<option-82>**  
                   <circuit-id/>  
                   <remote-id/>  
               **</option-82>**  
           </username-include>  
           </authentication>  
           </group>  
           </dhcp-local-server>  
           </services>  
           </system>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Include option 82.

**Contents**   <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

## **<option-82> (configuration/system/services/dhcp-local-server/authentication/username-include)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp-local-server>  
                 <authentication>  
                   <username-include>  
                     **<option-82>**  
                       <circuit-id/>  
                       <remote-id/>  
                     **</option-82>**  
                   </username-include>  
                 </authentication>  
               </dhcp-local-server>  
             </services>  
           </system>  
         </configuration>

**Description** Include option 82.

**Contents** <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

## **<option-82> (configuration/system/services/dhcp-local-server/group/authentication/username-include)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp-local-server>  
                 <group>  
                   <authentication>  
                     <username-include>  
                       **<option-82>**  
                       <circuit-id/>  
                       <remote-id/>  
                     **</option-82>**  
                   </username-include>  
                 </authentication>  
               </group>  
             </dhcp-local-server>  
           </services>  
           </system>  
         </configuration>

**Description** Include option 82.

**Contents** <circuit-id>—Include option 82 circuit-id (sub option 1).  
               <remote-id>—Include option 82 remote-id (sub option 2).

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

---

**Usage** <configuration>  
     <access>  
         <address-assignment>  
             <pool>  
                 <family>  
                     <inet>  
                         <dhcp-attributes>  
                             **<option-match>**  
                                 <option-82>...</option-82>  
                             **</option-match>**  
                         </dhcp-attributes>  
                     </inet>  
                 </family>  
     </pool>  
     </address-assignment>  
     </access>  
 </configuration>

**Description** Match.

**Contents** <option-82>—No documentation is available yet.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <access>  
             <address-assignment>  
                 <pool>  
                     <family>  
                         <inet>  
                             <dhcp-attributes>  
                                 **<option-match>**  
                                     <option-82>...</option-82>  
                                 **</option-match>**  
                             </dhcp-attributes>  
                         </inet>  
                 </family>  
     </pool>  
     </address-assignment>  
     </access>  
     </logical-systems>  
 </configuration>

**Description** Match.

**Contents** <option-82>—No documentation is available yet.

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

---

**Usage**

```
<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <access>
          <address-assignment>
            <pool>
              <family>
                <inet>
                  <dhcp-attributes>
                    <option-match>
                      <option-82>...</option-82>
                    </option-match>
                  </dhcp-attributes>
                </inet>
              </family>
            </pool>
          </address-assignment>
        </access>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>
```

**Description** Match.

**Contents** <option-82>—No documentation is available yet.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <access>  
                 <address-assignment>  
                     <pool>  
                         <family>  
                             <inet>  
                                 <dhcp-attributes>  
                                     **<option-match>**  
   <option-82>...</option-82>  
                                     **</option-match>**  
                                 </dhcp-attributes>  
                             </inet>  
                         </family>  
                     </pool>  
                 </address-assignment>  
             </access>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Match.

**Contents** <option-82>—No documentation is available yet.

## **<option-refresh-rate> (configuration/services/flow-monitoring/version9/template)**

---

**Usage** <configuration>  
     <services>  
         <flow-monitoring>  
             <version9>  
                 <template>  
                     **<option-refresh-rate>**  
                         <packets>packets</packets>  
                         <seconds>seconds</seconds>  
                     **</option-refresh-rate>**  
                 </template>  
             </version9>  
         </flow-monitoring>  
     </services>  
 </configuration>

**Description** Option template refresh rate.

**Contents** <packets>—In number of packets.

<seconds>—In number of seconds.

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

---

**Usage**

```

<configuration>
  <access>
    <profile>
      <radius>
        <options>
          <ethernet-port-type-virtual/>
          <interface-description-format>interface-description-format-choice
            </interface-description-format>
          <nas-identifier>nas-identifier</nas-identifier>
          <nas-port-extended-format>...</nas-port-extended-format>
          <accounting-session-id-format>accounting-session-id-format-choice
            </accounting-session-id-format>
          <revert-interval>seconds</revert-interval>
          <vlan-nas-port-stacked-format/>
        </options>
      </radius>
    </profile>
  </access>
</configuration>

```

**Description** Specifies the RADIUS options.

**Contents** <accounting-session-id-format>—Decimal format or description format for the accounting session ID.

- decimal—Decimal-session-identifier.
- description—Description Format: <jnpr> <interface-type> <interface-specifier> : <session-identifier> .

<ethernet-port-type-virtual>—Type of physical port to authenticate the user is virtual (RADIUS attribute 61).

<interface-description-format>—Interface description in the NAS-port-ID attribute.

- adapter—Specifies that the adapter is included in or omitted from the interface description.
- sub-interface—Specifies that the subinterface is included in or omitted from the interface description.

<nas-identifier>—NAS-Identifier to be used for authentication and accounting requests (RADIUS attribute 32).

<nas-port-extended-format>—RADIUS client's use of an extended format for RADIUS attribute 5.

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

<vlan-nas-port-stacked-format>—Include the S-VLAN ID, in addition to the VLAN ID, for subscribers on Ethernet interfaces.



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

---

**Usage**   <configuration>  
           <bridge-domains>  
           <domain>  
           <multicast-snooping-options>  
           **<options>**  
           <syslog>...</syslog>  
           **</options>**  
           </multicast-snooping-options>  
           </domain>  
           </bridge-domains>  
           </configuration>

**Description**   Miscellaneous options.

**Contents**    <syslog>—Set system logging level.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <bridge-domains>  
           <domain>  
           <multicast-snooping-options>  
           **<options>**  
           <syslog>...</syslog>  
           **</options>**  
           </multicast-snooping-options>  
           </domain>  
           </bridge-domains>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Miscellaneous options.

**Contents**    <syslog>—Set system logging level.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;multicast-snooping-options&gt;           &lt;options&gt;             &lt;syslog&gt;...&lt;/syslog&gt;           &lt;/options&gt;         &lt;/multicast-snooping-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Miscellaneous options.
<b>Contents</b>	<syslog>—Set system logging level.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;options&gt;             &lt;syslog&gt;...&lt;/syslog&gt;             &lt;mark&gt;seconds&lt;/mark&gt;           &lt;/options&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Miscellaneous options.
<b>Contents</b>	<mark>—Periodically mark the trace file.  <syslog>—Set system logging level.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;options&gt;         &lt;syslog&gt;...&lt;/syslog&gt;         &lt;mark&gt;seconds&lt;/mark&gt;       &lt;/options&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Miscellaneous options.
<b>Contents</b>	<p>&lt;mark&gt;—Periodically mark the trace file.</p> <p>&lt;syslog&gt;—Set system logging level.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;multicast-snooping-options&gt;     &lt;options&gt;       &lt;syslog&gt;...&lt;/syslog&gt;     &lt;/options&gt;   &lt;/multicast-snooping-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Miscellaneous options.
<b>Contents</b>	<syslog>—Set system logging level.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <bridge-domains>  
                 <domain>  
                   <multicast-snooping-options>  
                     **<options>**  
                       <syslog>...</syslog>  
                     **</options>**  
                   </multicast-snooping-options>  
                 </domain>  
               </bridge-domains>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Miscellaneous options.

**Contents** <syslog>—Set system logging level.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <multicast-snooping-options>  
                 **<options>**  
                   <syslog>...</syslog>  
                 **</options>**  
               </multicast-snooping-options>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Miscellaneous options.

**Contents** <syslog>—Set system logging level.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;options&gt;           &lt;syslog&gt;...&lt;/syslog&gt;           &lt;mark&gt;seconds&lt;/mark&gt;         &lt;/options&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Miscellaneous options.
<b>Contents</b>	<p>&lt;mark&gt;—Periodically mark the trace file.</p> <p>&lt;syslog&gt;—Set system logging level.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;options&gt;       &lt;syslog&gt;...&lt;/syslog&gt;       &lt;mark&gt;seconds&lt;/mark&gt;     &lt;/options&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Miscellaneous options.
<b>Contents</b>	<p>&lt;mark&gt;—Periodically mark the trace file.</p> <p>&lt;syslog&gt;—Set system logging level.</p>

## **<opu-ptim> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<opu-ptim>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</opu-ptim>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** Payload Type Mismatch defect trigger.

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

## **<opu-ptim> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<opu-ptim>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</opu-ptim>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** Payload Type Mismatch defect trigger.

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

**<ord-ctn> (configuration/load-update-test)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;load-update-test&gt;     &lt;ord-ctn&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;     &lt;/ord-ctn&gt;   &lt;/load-update-test&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<name>—No documentation is available yet.

**<ord-ctn-set-of-string> (configuration/load-update-test)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;load-update-test&gt;     &lt;ord-ctn-set-of-string&gt;       &lt;id&gt;...&lt;/id&gt;     &lt;/ord-ctn-set-of-string&gt;   &lt;/load-update-test&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Should be same as ord-ctn.
<b>Contents</b>	<id>—No documentation is available yet.

**<order> (configuration/access/profile/accounting)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;profile&gt;       &lt;accounting&gt;         &lt;order&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/order&gt;       &lt;/accounting&gt;     &lt;/profile&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Order in which accounting mechanisms are used.
<b>Contents</b>	<name>—Order in which accounting mechanisms are used. <ul style="list-style-type: none"> <li>■ radius—Remote authentication dial-in user service.</li> </ul>

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

---

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

**Description** OSPF configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

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

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

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

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



<preference>—Preference of internal routes.

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

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

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

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

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

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

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

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.

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

---

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

**Description** OSPF configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

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

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

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

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

`<preference>`—Preference of internal routes.

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

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

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

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

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

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

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

`<spf-options>`—Configure options for SPF.

`<topology>`—Topology parameters.

`<traceoptions>`—Trace options for OSPF.

`<traffic-engineering>`—Configure traffic engineering attributes.

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

---

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

**Description** OSPF configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

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

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

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

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

<preference>—Preference of internal routes.

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

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

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

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

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

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

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

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.

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

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

**Description** OSPF configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

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

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

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

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

<preference>—Preference of internal routes.

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

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

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

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

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

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

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

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.

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

---

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

**Description** OSPFv3 configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

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

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

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



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

<preference>—Preference of internal routes.

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

<realm>—OSPFv3 realm configuration.

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

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

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

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

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

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

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.

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

---

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

**Description** OSPF3 configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

- <import>—Import policy (for external routes or setting priority).
- <no-nssa-abr>—Disable full NSSA functionality at ABR.
- <no-rfc-1583>—Disable RFC1583 compatibility.
- <overload>—Set the overload mode (repel transit traffic).
- <preference>—Preference of internal routes.
- <prefix-export-limit>—Maximum number of prefixes that can be exported.
- <realm>—OSPFv3 realm configuration.
- <reference-bandwidth>—Bandwidth for calculating metric defaults.
- <rib-group>—Routing table group for importing OSPF routes.
- <route-type-community>—Specify BGP extended community value to encode OSPF route type.
  - iana—BGP extended community value used is 0x0306.
  - vendor—Vendor BGP extended community value used is 0x8000.
- <sham-link>—Configure parameters for sham links.
- <spf-options>—Configure options for SPF.
- <topology>—Topology parameters.
- <traceoptions>—Trace options for OSPF.
- <traffic-engineering>—Configure traffic engineering attributes.

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

---

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

**Description** OSPFv3 configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

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

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

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

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

<preference>—Preference of internal routes.

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

<realm>—OSPFv3 realm configuration.

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

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

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

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

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

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

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.

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

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

**Description** OSPF3 configuration.

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

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

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

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

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

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

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

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

<preference>—Preference of internal routes.

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

<realm>—OSPFv3 realm configuration.

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

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

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

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

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

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

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.

**<otn-alarms> (configuration/snmp/trap-group/categories)**

---

**Usage**

```

<configuration>
  <snmp>
    <trap-group>
      <categories>
        <otn-alarms>
          <oc-los/>
          <oc-lof/>
          <oc-lom/>
          <wavelength-lock/>
          <otu-ais/>
          <otu-bdi/>
          <otu-ttim/>
          <otu-iae/>
          <otu-sd/>
          <otu-sf/>
          <otu-fec-exe/>
          <otu-fec-deg/>
          <otu-bbe-threshold/>
          <otu-es-threshold/>
          <otu-ses-threshold/>
          <otu-uas-threshold/>
          <odu-ais/>
          <odu-oci/>
          <odu-lck/>
          <odu-bdi/>
          <odu-ttim/>
          <odu-sd/>
          <odu-sf/>
          <odu-rx-aps-change/>
          <odu-bbe-threshold/>
          <odu-es-threshold/>
          <odu-ses-threshold/>
          <odu-uas-threshold/>
          <opu-ptm/>
        </otn-alarms>
      </categories>
    </trap-group>
  </snmp>
</configuration>

```

**Description** OTN alarm trap subcategories.

**Contents**

- <oc-lof>—Loss of frame alarm notification.
- <oc-lom>—Loss of multiframe alarm notification.
- <oc-los>—Loss of signal alarm notification.
- <odu-ais>—ODU Alarm indication signal alarm notification.
- <odu-bbe-threshold>—ODU Background block error threshold alarm notification.



<odu-bdi>—ODU Backward defect indication alarm notification.

<odu-es-threshold>—ODU Errored Second threshold alarm notification.

<odu-lck>—ODU Locked alarm notification.

<odu-oci>—ODU Open connection indicator alarm notification.

<odu-rx-aps-change>—ODU Receive APS change notification.

<odu-sd>—ODU Signal degrade alarm notification.

<odu-ses-threshold>—ODU Severely Errored Second threshold alarm notification.

<odu-sf>—ODU Signal fail alarm notification.

<odu-ttim>—ODU Trace identification mismatch alarm notification.

<odu-uas-threshold>—ODU Unavailable Second threshold alarm notification.

<opu-ptm>—ODU Payload Type Mismatch alarm notification.

<otu-ais>—OTU Alarm indication signal alarm notification.

<otu-bbe-threshold>—OTU Background block error threshold alarm notification.

<otu-bdi>—OTU Backward defect indication alarm notification.

<otu-es-threshold>—OTU Errored Second threshold alarm notification.

<otu-fec-deg>—OTU Fec degraded errors alarm notification.

<otu-fec-exe>—OTU Fec excessive errors alarm notification.

<otu-iae>—OTU Incoming alignment error alarm notification.

<otu-sd>—OTU Signal degrade alarm notification.

<otu-ses-threshold>—OTU Severely Errored Second threshold alarm notification.

<otu-sf>—OTU Signal fail alarm notification.

<otu-ttim>—OTU Trace identification mismatch alarm notification.

<otu-uas-threshold>—OTU Unavailable Second threshold alarm notification.

<wavelength-lock>—Wavelength lock alarm notification.

## <otn-options> (configuration/dynamic-profiles/interfaces/interface)

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
             <otn-options>  
               <laser-enable/>  
               <line-loopback/>  
               <fec>fec-choice</fec>  
               <rate>rate-choice</rate>  
               <tti>...</tti>  
               <trigger>...</trigger>  
             </otn-options>  
           </interface>  
         </interfaces>  
       </dynamic-profiles>  
     </configuration>

**Description** Optical Transmission Network interface-specific options.

**Contents** <fec>—Forward Error Correction mode.

- efec—EFEC-Enhanced Forward Error Correction.
- gfec—GFEC-Generic Forward Error Correction.
- none—GFEC all 0's.

<laser-enable>—Enable Laser.

<line-loopback>—Enable Line Loopback.

<rate>—Optical Transmission Network mode.

- fixed-stuff-bytes—Fixed Stuff Bytes 11.0957Gbps.
- no-fixed-stuff-bytes—No Fixed Stuff Bytes 11.0491Gbps.
- pass-thru—Pass through mode - No OTN Framing.

<trigger>—Defect triggers.

<tti>—Trace Identifier.

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

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
             **<otn-options>**  
               <laser-enable/>  
               <line-loopback/>  
               <fec>fec-choice</fec>  
               <rate>rate-choice</rate>  
               <tti>...</tti>  
               <trigger>...</trigger>  
             **</otn-options>**  
           </interface>  
         </interfaces>  
       </configuration>

**Description** Optical Transmission Network interface-specific options.

**Contents** <fec>—Forward Error Correction mode.

- efec—EFEC-Enhanced Forward Error Correction.
- gfec—GFEC-Generic Forward Error Correction.
- none—GFEC all 0's.

<laser-enable>—Enable Laser.

<line-loopback>—Enable Line Loopback.

<rate>—Optical Transmission Network mode.

- fixed-stuff-bytes—Fixed Stuff Bytes 11.0957Gbps.
- no-fixed-stuff-bytes—No Fixed Stuff Bytes 11.0491Gbps.
- pass-thru—Pass through mode - No OTN Framing.

<trigger>—Defect triggers.

<tti>—Trace Identifier.

## **<otu-ais> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<otu-ais>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</otu-ais>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** OTU Alarm Indication Signal defect trigger.

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

## **<otu-ais> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<otu-ais>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</otu-ais>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** OTU Alarm Indication Signal defect trigger.

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

## **<otu-bdi> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<otu-bdi>**  
             <ignore/>  
             <hold-time>...</hold-time>  
           **</otu-bdi>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** OTU Backward Defect Indication defect trigger.

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

## **<otu-bdi> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<otu-bdi>**  
             <ignore/>  
             <hold-time>...</hold-time>  
           **</otu-bdi>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** OTU Backward Defect Indication defect trigger.

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

## **<otu-fec-deg> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-fec-deg>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-fec-deg>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** OTU FEC Degrade defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-fec-deg> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-fec-deg>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-fec-deg>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** OTU FEC Degrade defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-fec-exe> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-fec-exe>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-fec-exe>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
   </dynamic-profiles>  
</configuration>

**Description** OTU FEC Excessive Error defect trigger.

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

## **<otu-fec-exe> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-fec-exe>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-fec-exe>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
</configuration>

**Description** OTU FEC Excessive Error defect trigger.

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

## **<otu-iae> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;otn-options&gt;           &lt;trigger&gt;             <b>&lt;otu-iae&gt;</b>               &lt;ignore/&gt;               &lt;hold-time&gt;...&lt;/hold-time&gt;             <b>&lt;/otu-iae&gt;</b>           &lt;/trigger&gt;         &lt;/otn-options&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	OTU Incoming Alignment defect trigger.
<b>Contents</b>	<p>&lt;hold-time&gt;—Delay before marking interface up or down for defect.</p> <p>&lt;ignore&gt;—Ignore the defect.</p>

## **<otu-iae> (configuration/interfaces/interface/otn-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;otn-options&gt;         &lt;trigger&gt;           <b>&lt;otu-iae&gt;</b>             &lt;ignore/&gt;             &lt;hold-time&gt;...&lt;/hold-time&gt;           <b>&lt;/otu-iae&gt;</b>         &lt;/trigger&gt;       &lt;/otn-options&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	OTU Incoming Alignment defect trigger.
<b>Contents</b>	<p>&lt;hold-time&gt;—Delay before marking interface up or down for defect.</p> <p>&lt;ignore&gt;—Ignore the defect.</p>



## **<otu-sd> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<otu-sd>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</otu-sd>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** OTU Signal Degrade defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-sd> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
           **<otu-sd>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</otu-sd>**  
           </trigger>  
           </otn-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** OTU Signal Degrade defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-tca-bbe> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-bbe>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-bbe>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** OTU Background Block Error Threshold crossing defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-tca-bbe> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-bbe>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-bbe>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** OTU Background Block Error Threshold crossing defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-tca-es> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-es>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-es>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
   </dynamic-profiles>  
</configuration>

**Description** OTU Errored Seconds Threshold crossing defect trigger.

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

## **<otu-tca-es> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-es>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-es>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
</configuration>

**Description** OTU Errored Seconds Threshold crossing defect trigger.

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

## **<otu-tca-ses> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-ses>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-ses>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** OTU Severely Errored Seconds Threshold crossing defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-tca-ses> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-ses>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-ses>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** OTU Severely Errored Seconds Threshold crossing defect trigger.

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

<ignore>—Ignore the defect.

## **<otu-tca-uas> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-uas>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-uas>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </dynamic-profiles>  
</configuration>

**Description** OTU Unavailable Seconds Threshold crossing defect trigger.

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

## **<otu-tca-uas> (configuration/interfaces/interface/otn-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <otn-options>  
           <trigger>  
             **<otu-tca-uas>**  
               <ignore/>  
               <hold-time>...</hold-time>  
             **</otu-tca-uas>**  
           </trigger>  
         </otn-options>  
       </interface>  
     </interfaces>  
 </configuration>

**Description** OTU Unavailable Seconds Threshold crossing defect trigger.

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

## **<otu-ttim> (configuration/dynamic-profiles/interfaces/interface/otn-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;otn-options&gt;           &lt;trigger&gt;             <b>&lt;otu-ttim&gt;</b>               &lt;ignore/&gt;               &lt;hold-time&gt;...&lt;/hold-time&gt;             <b>&lt;/otu-ttim&gt;</b>           &lt;/trigger&gt;         &lt;/otn-options&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	OTU Trail Trace Identifier Mismatch defect trigger.
<b>Contents</b>	<p><b>&lt;hold-time&gt;</b>—Delay before marking interface up or down for defect.</p> <p><b>&lt;ignore&gt;</b>—Ignore the defect.</p>

## **<otu-ttim> (configuration/interfaces/interface/otn-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;otn-options&gt;         &lt;trigger&gt;           <b>&lt;otu-ttim&gt;</b>             &lt;ignore/&gt;             &lt;hold-time&gt;...&lt;/hold-time&gt;           <b>&lt;/otu-ttim&gt;</b>         &lt;/trigger&gt;       &lt;/otn-options&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	OTU Trail Trace Identifier Mismatch defect trigger.
<b>Contents</b>	<p><b>&lt;hold-time&gt;</b>—Delay before marking interface up or down for defect.</p> <p><b>&lt;ignore&gt;</b>—Ignore the defect.</p>

## **<outbound-route-filter> (configuration/logical-systems/protocols/bgp)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;bgp&gt;         &lt;outbound-route-filter&gt;           &lt;bgp-orf-cisco-mode/&gt;           &lt;prefix-based&gt;...&lt;/prefix-based&gt;         &lt;/outbound-route-filter&gt;       &lt;/bgp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamically negotiated cooperative route filtering.
<b>Contents</b>	<p><b>&lt;bgp-orf-cisco-mode&gt;</b>—Using BGP ORF capability code 130 and Prefix ORF type 128.</p> <p><b>&lt;prefix-based&gt;</b>—Prefix-based outbound route filtering.</p>

## **<outbound-route-filter> (configuration/logical-systems/protocols/bgp/group)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;bgp&gt;         &lt;group&gt;           &lt;outbound-route-filter&gt;             &lt;bgp-orf-cisco-mode/&gt;             &lt;prefix-based&gt;...&lt;/prefix-based&gt;           &lt;/outbound-route-filter&gt;         &lt;/group&gt;       &lt;/bgp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamically negotiated cooperative route filtering.
<b>Contents</b>	<p><b>&lt;bgp-orf-cisco-mode&gt;</b>—Using BGP ORF capability code 130 and Prefix ORF type 128.</p> <p><b>&lt;prefix-based&gt;</b>—Prefix-based outbound route filtering.</p>

## **<outbound-route-filter> (configuration/logical-systems/protocols/bgp/group/neighbor)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
             **<outbound-route-filter>**  
               <bgp-orf-cisco-mode/>  
               <prefix-based>...</prefix-based>  
             **</outbound-route-filter>**  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Dynamically negotiated cooperative route filtering.

**Contents** <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<prefix-based>—Prefix-based outbound route filtering.

## **<outbound-route-filter> (configuration/logical-systems/routing-instances/instance/protocols/bgp)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
             **<outbound-route-filter>**  
               <bgp-orf-cisco-mode/>  
               <prefix-based>...</prefix-based>  
             **</outbound-route-filter>**  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** Dynamically negotiated cooperative route filtering.

**Contents** <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<prefix-based>—Prefix-based outbound route filtering.



## **<outbound-route-filter> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/group)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
               **<outbound-route-filter>**  
                   <bgp-orf-cisco-mode/>  
                   <prefix-based>...</prefix-based>  
               **</outbound-route-filter>**  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Dynamically negotiated cooperative route filtering.

**Contents**   <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

          <prefix-based>—Prefix-based outbound route filtering.

## <outbound-route-filter> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor)

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <bgp>  
                         <group>  
                             <neighbor>  
                                 <outbound-route-filter>  
                                     <bgp-orf-cisco-mode/>  
                                     <prefix-based>...</prefix-based>  
                                 </outbound-route-filter>  
                             </neighbor>  
                         </group>  
                     </bgp>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Dynamically negotiated cooperative route filtering.

**Contents** <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<prefix-based>—Prefix-based outbound route filtering.

## <outbound-route-filter> (configuration/protocols/bgp)

---

**Usage** <configuration>  
     <protocols>  
         <bgp>  
             <outbound-route-filter>  
                 <bgp-orf-cisco-mode/>  
                 <prefix-based>...</prefix-based>  
             </outbound-route-filter>  
         </bgp>  
     </protocols>  
 </configuration>

**Description** Dynamically negotiated cooperative route filtering.

**Contents** <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<prefix-based>—Prefix-based outbound route filtering.

**<outbound-route-filter> (configuration/protocols/bgp/group)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;outbound-route-filter&gt;           &lt;bgp-orf-cisco-mode/&gt;           &lt;prefix-based&gt;...&lt;/prefix-based&gt;         &lt;/outbound-route-filter&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamically negotiated cooperative route filtering.
<b>Contents</b>	<p><b>&lt;bgp-orf-cisco-mode&gt;</b>—Using BGP ORF capability code 130 and Prefix ORF type 128.</p> <p><b>&lt;prefix-based&gt;</b>—Prefix-based outbound route filtering.</p>

**<outbound-route-filter> (configuration/protocols/bgp/group/neighbor)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;neighbor&gt;           &lt;outbound-route-filter&gt;             &lt;bgp-orf-cisco-mode/&gt;             &lt;prefix-based&gt;...&lt;/prefix-based&gt;           &lt;/outbound-route-filter&gt;         &lt;/neighbor&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamically negotiated cooperative route filtering.
<b>Contents</b>	<p><b>&lt;bgp-orf-cisco-mode&gt;</b>—Using BGP ORF capability code 130 and Prefix ORF type 128.</p> <p><b>&lt;prefix-based&gt;</b>—Prefix-based outbound route filtering.</p>

## **<outbound-route-filter> (configuration/routing-instances/instance/protocols/bgp)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <bgp>  
                     **<outbound-route-filter>**  
                         <bgp-orf-cisco-mode/>  
                         <prefix-based>...</prefix-based>  
                     **</outbound-route-filter>**  
                 </bgp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Dynamically negotiated cooperative route filtering.

**Contents** <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<prefix-based>—Prefix-based outbound route filtering.

## **<outbound-route-filter> (configuration/routing-instances/instance/protocols/bgp/group)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <bgp>  
                     <group>  
                         **<outbound-route-filter>**  
                             <bgp-orf-cisco-mode/>  
                             <prefix-based>...</prefix-based>  
                         **</outbound-route-filter>**  
                     </group>  
                 </bgp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Dynamically negotiated cooperative route filtering.

**Contents** <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<prefix-based>—Prefix-based outbound route filtering.

## **<outbound-route-filter> (configuration/routing-instances/instance/protocols/bgp/group/neighbor)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <group>  
                     <neighbor>  
                       **<outbound-route-filter>**  
                         <bgp-orf-cisco-mode/>  
                         <prefix-based>...</prefix-based>  
                       **</outbound-route-filter>**  
                     </neighbor>  
                   </group>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Dynamically negotiated cooperative route filtering.

**Contents** <bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<prefix-based>—Prefix-based outbound route filtering.

## **<outbound-ssh> (configuration/system/services)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               **<outbound-ssh>**  
                 <traceoptions>...</traceoptions>  
                 <client>...</client>  
               **</outbound-ssh>**  
             </services>  
           </system>  
         </configuration>

**Description** Initiate outbound SSH connection.

**Contents** <client>—Define a device initiated SSH connection.

<traceoptions>—Outbound SSH trace options.

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

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <bridge>
              <filter>
                <output>
                  <filter-name>filter-name</filter-name>    <!-- mandatory -->
                  <precedence>precedence</precedence>
                </output>
              </filter>
            </bridge>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Filter to be applied to transmitted packets.

**Contents** <filter-name>—Name of the filter.

<precedence>—Precedence of the filter.

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

---

**Usage**   <configuration>  
               <dynamic-profiles>  
                   <interfaces>  
                       <interface>  
                           <unit>  
                               <family>  
                                   <inet>  
                                       <filter>  
   **<output>**  
   <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
   <precedence>*precedence*</precedence>  
   **</output>**  
                                       </filter>  
                                   </inet>  
                               </family>  
                           </unit>  
                   </interface>  
               </interfaces>  
           </dynamic-profiles>  
       </configuration>

**Description**   Filter to be applied to transmitted packets.

**Contents**   <filter-name>—Name of the filter.  
               <precedence>—Precedence of the filter.

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

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <inet>  
          <service>  
            **<output>**  
            <service-set>...</service-set>  
            **</output>**  
          </service>  
          </inet>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </dynamic-profiles>  
          </configuration>

**Description**   Service sets to consider for transmitted packets.

**Contents**   <service-set>—Service set to consider for transmitted packets.



## **<output> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet6/filter)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet6>  
           <filter>  
             **<output>**  
               <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
               <precedence>*precedence*</precedence>  
             **</output>**  
           </filter>  
           </inet6>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description**   Filter to be applied to transmitted packets.

**Contents**   <filter-name>—Name of the filter.  
               <precedence>—Precedence of the filter.

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

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <inet6>  
          <service>  
              **<output>**  
              <service-set>...</service-set>  
              **</output>**  
          </service>  
          </inet6>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </dynamic-profiles>  
          </configuration>

**Description**   Service sets to consider for transmitted packets.

**Contents**    <service-set>—Service set to consider for transmitted packets.

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

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <vpls>  
           <filter>  
             **<output>**  
               <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
               <precedence>*precedence*</precedence>  
             **</output>**  
           </filter>  
           </vpls>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description**   Filter to be applied to transmitted packets.

**Contents**    <filter-name>—Name of the filter.  
               <precedence>—Precedence of the filter.

**<output> (configuration/forwarding-options/accounting)**

---

**Usage**   <configuration>  
           <forwarding-options>  
           <accounting>  
             **<output>**  
               <aggregate-export-interval>seconds</aggregate-export-interval>  
               <flow-inactive-timeout>seconds</flow-inactive-timeout>  
               <flow-active-timeout>seconds</flow-active-timeout>  
               <cflowd>...</cflowd>   <!-- mandatory -->  
               <interface>...</interface>   <!-- mandatory -->  
             **</output>**  
           </accounting>  
         </forwarding-options>  
       </configuration>

**Description**   Accounting data disposition.

**Contents**   <aggregate-export-interval>—Interval of exporting aggregate accounting information.

          <cflowd>—Cflowd collector where flow records are sent.

          <flow-active-timeout>—Interval after which an active flow is exported.

          <flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

          <interface>—Interfaces used to send monitored information.

## **<output> (configuration/forwarding-options/monitoring/family/inet)**

---

**Usage**   <configuration>  
               <forwarding-options>  
                   <monitoring>  
                       <family>  
                           <inet>  
                               **<output>**  
                                   <export-format>*export-format-choice*</export-format>  
                                   <flow-active-timeout>*seconds*</flow-active-timeout>  
                                   <flow-inactive-timeout>*seconds*</flow-inactive-timeout>  
                                   <flow-export-destination>*flow-export-destination-choice*  
                                       </flow-export-destination>  
                                   <cflowd>...</cflowd>  
                                   <interface>...</interface>   <!-- mandatory -->  
                               **</output>**  
                           </inet>  
                       </family>  
                   </monitoring>  
               </forwarding-options>  
           </configuration>

**Description**   Monitoring data disposition.

**Contents**   <cflowd>—Collector destination where flow records are sent.

              <export-format>—Format for sending monitoring information.

■   cflowd-version-5—Export in cflowd version 5 format.

              <flow-active-timeout>—Interval after which an active flow is exported.

              <flow-export-destination>—Destination for flow export.

■   cflowd-collector—Send flow information to cflowd collector.

■   collector-pic—Send flow information to collector PIC.

              <flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

              <interface>—Interfaces used to send monitored information.

## **<output> (configuration/forwarding-options/port-mirroring/family/ccc)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <port-mirroring>  
             <family>  
                 <ccc>  
                     **<output>**  
                         <interface>interface</interface>  
                         <no-filter-check/>  
                     **</output>**  
                 </ccc>  
             </family>  
         </port-mirroring>  
     </forwarding-options>  
 </configuration>

**Description** Destination for port-mirrored packets.

**Contents** <interface>—Interface through which to send sampled traffic.  
             <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/forwarding-options/port-mirroring/family/inet)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <port-mirroring>  
             <family>  
                 <inet>  
                     **<output>**  
                         <interface>...</interface>  
                         <no-filter-check/>  
                     **</output>**  
                 </inet>  
             </family>  
         </port-mirroring>  
     </forwarding-options>  
 </configuration>

**Description** One or more next hops for port-mirrored packets.

**Contents** <interface>—Interfaces through which to send sampled traffic.  
             <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/forwarding-options/port-mirroring/family/inet6)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;port-mirroring&gt;       &lt;family&gt;         &lt;inet6&gt;           &lt;output&gt;             &lt;interface&gt;...&lt;/interface&gt;             &lt;no-filter-check/&gt;           &lt;/output&gt;         &lt;/inet6&gt;       &lt;/family&gt;     &lt;/port-mirroring&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	One or more next hops for port-mirrored packets.
<b>Contents</b>	<p>&lt;interface&gt;—Interfaces through which to send sampled traffic.</p> <p>&lt;no-filter-check&gt;—Do not check for filters on port-mirroring interface.</p>

## **<output> (configuration/forwarding-options/port-mirroring/family/vpls)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;port-mirroring&gt;       &lt;family&gt;         &lt;vpls&gt;           &lt;output&gt;             &lt;interface&gt;interface&lt;/interface&gt;             &lt;no-filter-check/&gt;           &lt;/output&gt;         &lt;/vpls&gt;       &lt;/family&gt;     &lt;/port-mirroring&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Destination for port-mirrored packets.
<b>Contents</b>	<p>&lt;interface&gt;—Interface through which to send sampled traffic.</p> <p>&lt;no-filter-check&gt;—Do not check for filters on port-mirroring interface.</p>

## **<output> (configuration/forwarding-options/port-mirroring/instance/family/ccc)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <port-mirroring>  
             <instance>  
                 <family>  
                     <ccc>  
                         **<output>**  
                             <interface>interface</interface>  
                             <no-filter-check/>  
                         **</output>**  
                     </ccc>  
                 </family>  
             </instance>  
         </port-mirroring>  
     </forwarding-options>  
 </configuration>

**Description** Destination for port-mirrored packets.

**Contents** <interface>—Interface through which to send sampled traffic.  
             <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/forwarding-options/port-mirroring/instance/family/inet)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <port-mirroring>  
             <instance>  
                 <family>  
                     <inet>  
                         **<output>**  
                             <interface>...</interface>  
                             <no-filter-check/>  
                         **</output>**  
                     </inet>  
                 </family>  
             </instance>  
         </port-mirroring>  
     </forwarding-options>  
 </configuration>

**Description** One or more next hops for port-mirrored packets.

**Contents** <interface>—Interfaces through which to send sampled traffic.  
             <no-filter-check>—Do not check for filters on port-mirroring interface.



## **<output> (configuration/forwarding-options/port-mirroring/instance/family/inet6)**

---

**Usage** <configuration>  
           <forwarding-options>  
           <port-mirroring>  
           <instance>  
           <family>  
           <inet6>  
           **<output>**  
             <interface>...</interface>  
             <no-filter-check/>  
           **</output>**  
           </inet6>  
           </family>  
           </instance>  
           </port-mirroring>  
           </forwarding-options>  
         </configuration>

**Description** One or more next hops for port-mirrored packets.

**Contents** <interface>—Interfaces through which to send sampled traffic.  
               <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/forwarding-options/port-mirroring/instance/family/vpls)**

---

**Usage** <configuration>  
           <forwarding-options>  
           <port-mirroring>  
           <instance>  
           <family>  
           <vpls>  
           **<output>**  
             <interface>*interface*</interface>  
             <no-filter-check/>  
           **</output>**  
           </vpls>  
           </family>  
           </instance>  
           </port-mirroring>  
           </forwarding-options>  
         </configuration>

**Description** Destination for port-mirrored packets.

**Contents** <interface>—Interface through which to send sampled traffic.  
               <no-filter-check>—Do not check for filters on port-mirroring interface.

**<output> (configuration/forwarding-options/sampling)**

---

**Usage**   <configuration>  
           <forwarding-options>  
           <sampling>  
           **<output>**  
           <file>...</file>  
           <cflowd>...</cflowd>  
           <aggregate-export-interval>seconds</aggregate-export-interval>  
           <flow-inactive-timeout>seconds</flow-inactive-timeout>  
           <flow-active-timeout>seconds</flow-active-timeout>  
           <interface>...</interface>  
           <extension-service>...</extension-service>  
           **</output>**  
           </sampling>  
           </forwarding-options>  
         </configuration>

**Description**   Traffic sampling data disposition.

**Contents**   <aggregate-export-interval>—Interval of exporting aggregate accounting information.

          <cflowd>—Configure sending traffic aggregates in cflowd format.

          <extension-service>—Define the customer specific sampling configuration.

          <file>—Configure parameters for dumping sampled packets.

          <flow-active-timeout>—Interval after which an active flow is exported.

          <flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

          <interface>—Interfaces used to send monitored information.

**<output> (configuration/interfaces/interface/unit/family/bridge/  
filter)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <bridge>  
          <filter>  
          **<output>**  
            <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
            <precedence>*precedence*</precedence>  
          **</output>**  
          </filter>  
          </bridge>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   Filter to be applied to transmitted packets.

**Contents**   <filter-name>—Name of the filter.  
              <precedence>—Precedence of the filter.

## **<output> (configuration/interfaces/interface/unit/family/inet/filter)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet>  
                     <filter>  
                       **<output>**  
                         <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
                         <precedence>*precedence*</precedence>  
                       **</output>**  
                     </filter>  
                   </inet>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Filter to be applied to transmitted packets.

**Contents** <filter-name>—Name of the filter.  
               <precedence>—Precedence of the filter.

## **<output> (configuration/interfaces/interface/unit/family/inet/service)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet>  
                     <service>  
                       **<output>**  
                         <service-set>*...*</service-set>  
                       **</output>**  
                     </service>  
                   </inet>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Service sets to consider for transmitted packets.

**Contents** <service-set>—Service set to consider for transmitted packets.

## **<output> (configuration/interfaces/interface/unit/family/inet6/filter)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet6>  
                     <filter>  
                       **<output>**  
                         <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
                         <precedence>*precedence*</precedence>  
                       **</output>**  
                     </filter>  
                   </inet6>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Filter to be applied to transmitted packets.

**Contents** <filter-name>—Name of the filter.  
               <precedence>—Precedence of the filter.

## **<output> (configuration/interfaces/interface/unit/family/inet6/service)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet6>  
                     <service>  
                       **<output>**  
                         <service-set>...</service-set>  
                       **</output>**  
                     </service>  
                   </inet6>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Service sets to consider for transmitted packets.

**Contents** <service-set>—Service set to consider for transmitted packets.

## **<output> (configuration/interfaces/interface/unit/family/vpls/filter)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <vpls>  
          <filter>  
            **<output>**  
              <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
              <precedence>*precedence*</precedence>  
            **</output>**  
          </filter>  
          </vpls>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   Filter to be applied to transmitted packets.

**Contents**   <filter-name>—Name of the filter.  
              <precedence>—Precedence of the filter.

## **<output> (configuration/logical-systems/interfaces/interface/unit/family/bridge/filter)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <interfaces>  
               <interface>  
               <unit>  
               <family>  
               <bridge>  
               <filter>  
                   **<output>**  
                     <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
                     <precedence>*precedence*</precedence>  
                   **</output>**  
               </filter>  
               </bridge>  
               </family>  
               </unit>  
               </interface>  
               </interfaces>  
               </logical-systems>  
               </configuration>

**Description**   Filter to be applied to transmitted packets.

**Contents**    <filter-name>—Name of the filter.  
               <precedence>—Precedence of the filter.

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

---

**Usage**

```
<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <filter>
                <output>
                  <filter-name>filter-name</filter-name>    <!-- mandatory -->
                  <precedence>precedence</precedence>
                </output>
              </filter>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>
```

**Description** Filter to be applied to transmitted packets.

**Contents** <filter-name>—Name of the filter.

<precedence>—Precedence of the filter.



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

---

**Usage**   <configuration>  
               <logical-systems>  
               <interfaces>  
               <interface>  
               <unit>  
               <family>  
               <inet>  
               <service>  
                   **<output>**  
                   <service-set>...</service-set>  
                   **</output>**  
               </service>  
               </inet>  
               </family>  
               </unit>  
               </interface>  
               </interfaces>  
               </logical-systems>  
               </configuration>

**Description**   Service sets to consider for transmitted packets.

**Contents**   <service-set>—Service set to consider for transmitted packets.

**<output> (configuration/logical-systems/interfaces/interface/unit/family/inet6/filter)**

---

**Usage**

```
<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet6>
              <filter>
                <output>
                  <filter-name>filter-name</filter-name>    <!-- mandatory -->
                  <precedence>precedence</precedence>
                </output>
              </filter>
            </inet6>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>
```

**Description** Filter to be applied to transmitted packets.

**Contents** <filter-name>—Name of the filter.

<precedence>—Precedence of the filter.

## **<output> (configuration/logical-systems/interfaces/interface/unit/family/inet6/service)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <interfaces>  
               <interface>  
               <unit>  
               <family>  
               <inet6>  
               <service>  
                   **<output>**  
                   <service-set>...</service-set>  
                   **</output>**  
               </service>  
               </inet6>  
               </family>  
               </unit>  
               </interface>  
               </interfaces>  
               </logical-systems>  
               </configuration>

**Description**   Service sets to consider for transmitted packets.

**Contents**    <service-set>—Service set to consider for transmitted packets.

## **<output> (configuration/logical-systems/interfaces/interface/unit/family/vpls/filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <vpls>  
          <filter>  
            **<output>**  
              <filter-name>*filter-name*</filter-name>   <!-- mandatory -->  
              <precedence>*precedence*</precedence>  
            **</output>**  
          </filter>  
          </vpls>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   Filter to be applied to transmitted packets.

**Contents**    <filter-name>—Name of the filter.  
              <precedence>—Precedence of the filter.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/accounting)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <accounting>  
           **<output>**  
             <aggregate-export-interval>seconds</aggregate-export-interval>  
             <flow-inactive-timeout>seconds</flow-inactive-timeout>  
             <flow-active-timeout>seconds</flow-active-timeout>  
             <cflowd>...</cflowd>   <!-- mandatory -->  
             <interface>...</interface>   <!-- mandatory -->  
           **</output>**  
           </accounting>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Accounting data disposition.

**Contents**   <aggregate-export-interval>—Interval of exporting aggregate accounting information.

                <cflowd>—Cflowd collector where flow records are sent.

                <flow-active-timeout>—Interval after which an active flow is exported.

                <flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

                <interface>—Interfaces used to send monitored information.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/monitoring/family/inet)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <monitoring>
            <family>
              <inet>
                <output>
                  <export-format>export-format-choice</export-format>
                  <flow-active-timeout>seconds</flow-active-timeout>
                  <flow-inactive-timeout>seconds</flow-inactive-timeout>
                  <flow-export-destination>flow-export-destination-choice
                  </flow-export-destination>
                  <cflowd>...</cflowd>
                  <interface>...</interface>    <!-- mandatory -->
                </output>
              </inet>
            </family>
          </monitoring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Monitoring data disposition.

**Contents** <cflowd>—Collector destination where flow records are sent.

<export-format>—Format for sending monitoring information.

■ cflowd-version-5—Export in cflowd version 5 format.

<flow-active-timeout>—Interval after which an active flow is exported.

<flow-export-destination>—Destination for flow export.

■ cflowd-collector—Send flow information to cflowd collector.

■ collector-pic—Send flow information to collector PIC.

<flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

<interface>—Interfaces used to send monitored information.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/family/ccc)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               <port-mirroring>  
               <family>  
               <ccc>  
                   **<output>**  
                   <interface>*interface*</interface>  
                   <no-filter-check/>  
                   **</output>**  
               </ccc>  
               </family>  
               </port-mirroring>  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Destination for port-mirrored packets.

**Contents**   <interface>—Interface through which to send sampled traffic.  
               <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/family/inet)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <family>
              <inet>
                <output>
                  <interface>...</interface>
                  <no-filter-check/>
                </output>
              </inet>
            </family>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** One or more next hops for port-mirrored packets.

**Contents** <interface>—Interfaces through which to send sampled traffic.

<no-filter-check>—Do not check for filters on port-mirroring interface.



## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/family/inet6)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <port-mirroring>  
           <family>  
           <inet6>  
           **<output>**  
           <interface>...</interface>  
           <no-filter-check/>  
           **</output>**  
           </inet6>  
           </family>  
           </port-mirroring>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   One or more next hops for port-mirrored packets.

**Contents**   <interface>—Interfaces through which to send sampled traffic.  
               <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/family/vpls)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <family>
              <vpls>
                <output>
                  <interface>interface</interface>
                  <no-filter-check/>
                </output>
              </vpls>
            </family>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Destination for port-mirrored packets.

**Contents**

- <interface>—Interface through which to send sampled traffic.
- <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/instance/family/ccc)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <routing-instances>  
                       <instance>  
                           <forwarding-options>  
                               <port-mirroring>  
                                   <instance>  
                                       <family>  
   <ccc>  
   **<output>**  
   <interface>*interface*</interface>  
   <no-filter-check/>  
   **</output>**  
   </ccc>  
                                   </family>  
                               </instance>  
                           </port-mirroring>  
                       </forwarding-options>  
                   </instance>  
               </routing-instances>  
           </logical-systems>  
       </configuration>

**Description**   Destination for port-mirrored packets.

**Contents**   <interface>—Interface through which to send sampled traffic.  
               <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <instance>
              <family>
                <inet>
                  <output>
                    <interface>...</interface>
                    <no-filter-check/>
                  </output>
                </inet>
              </family>
            </instance>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** One or more next hops for port-mirrored packets.

**Contents**

- <interface>—Interfaces through which to send sampled traffic.
- <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet6)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <instance>
              <family>
                <inet6>
                  <output>
                    <interface>...</interface>
                    <no-filter-check/>
                  </output>
                </inet6>
              </family>
            </instance>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** One or more next hops for port-mirrored packets.

**Contents** <interface>—Interfaces through which to send sampled traffic.

<no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/instance/family/vpls)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <instance>
              <family>
                <vpls>
                  <output>
                    <interface>interface</interface>
                    <no-filter-check/>
                  </output>
                </vpls>
              </family>
            </instance>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Destination for port-mirrored packets.

**Contents**

- <interface>—Interface through which to send sampled traffic.
- <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/logical-systems/routing-instances/instance/forwarding-options/sampling)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               <sampling>  
               **<output>**  
                   <file>...</file>  
                   <cflowd>...</cflowd>  
                   <aggregate-export-interval>seconds</aggregate-export-interval>  
                   <flow-inactive-timeout>seconds</flow-inactive-timeout>  
                   <flow-active-timeout>seconds</flow-active-timeout>  
                   <interface>...</interface>  
                   <extension-service>...</extension-service>  
               **</output>**  
               </sampling>  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Traffic sampling data disposition.

**Contents**   <aggregate-export-interval>—Interval of exporting aggregate accounting information.

              <cflowd>—Configure sending traffic aggregates in cflowd format.

              <extension-service>—Define the customer specific sampling configuration.

              <file>—Configure parameters for dumping sampled packets.

              <flow-active-timeout>—Interval after which an active flow is exported.

              <flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

              <interface>—Interfaces used to send monitored information.

## **<output> (configuration/routing-instances/instance/forwarding-options/accounting)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <accounting>  
           **<output>**  
             <aggregate-export-interval>seconds</aggregate-export-interval>  
             <flow-inactive-timeout>seconds</flow-inactive-timeout>  
             <flow-active-timeout>seconds</flow-active-timeout>  
             <cflowd>...</cflowd>   <!-- mandatory -->  
             <interface>...</interface>   <!-- mandatory -->  
           **</output>**  
           </accounting>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Accounting data disposition.

**Contents**   <aggregate-export-interval>—Interval of exporting aggregate accounting information.

          <cflowd>—Cflowd collector where flow records are sent.

          <flow-active-timeout>—Interval after which an active flow is exported.

          <flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

          <interface>—Interfaces used to send monitored information.



## **<output> (configuration/routing-instances/instance/forwarding-options/monitoring/family/inet)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <monitoring>
          <family>
            <inet>
              <output>
                <export-format>export-format-choice</export-format>
                <flow-active-timeout>seconds</flow-active-timeout>
                <flow-inactive-timeout>seconds</flow-inactive-timeout>
                <flow-export-destination>flow-export-destination-choice
                  </flow-export-destination>
                <cflowd>...</cflowd>
                <interface>...</interface>    <!-- mandatory -->
              </output>
            </inet>
          </family>
        </monitoring>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Monitoring data disposition.

**Contents** <cflowd>—Collector destination where flow records are sent.

<export-format>—Format for sending monitoring information.

■ cflowd-version-5—Export in cflowd version 5 format.

<flow-active-timeout>—Interval after which an active flow is exported.

<flow-export-destination>—Destination for flow export.

■ cflowd-collector—Send flow information to cflowd collector.

■ collector-pic—Send flow information to collector PIC.

<flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

<interface>—Interfaces used to send monitored information.

## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/family/ccc)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <forwarding-options>  
          <port-mirroring>  
          <family>  
          <ccc>  
          **<output>**  
          <interface>*interface*</interface>  
          <no-filter-check/>  
          **</output>**  
          </ccc>  
          </family>  
          </port-mirroring>  
          </forwarding-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Destination for port-mirrored packets.

**Contents**   <interface>—Interface through which to send sampled traffic.  
              <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/family/inet)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <forwarding-options>  
                           <port-mirroring>  
                               <family>  
                                   <inet>  
                                       **<output>**  
   <interface>...</interface>  
   <no-filter-check/>  
                                       **</output>**  
                                   </inet>  
                               </family>  
                           </port-mirroring>  
                       </forwarding-options>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   One or more next hops for port-mirrored packets.

**Contents**   <interface>—Interfaces through which to send sampled traffic.  
               <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/family/inet6)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <forwarding-options>  
          <port-mirroring>  
          <family>  
          <inet6>  
          **<output>**  
          <interface>...</interface>  
          <no-filter-check/>  
          **</output>**  
          </inet6>  
          </family>  
          </port-mirroring>  
          </forwarding-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   One or more next hops for port-mirrored packets.

**Contents**   <interface>—Interfaces through which to send sampled traffic.  
              <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/family/vpls)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <forwarding-options>  
                 <port-mirroring>  
                     <family>  
                         <vpls>  
                             **<output>**  
                                 <interface>*interface*</interface>  
                                 <no-filter-check/>  
                             **</output>**  
                         </vpls>  
                     </family>  
                 </port-mirroring>  
             </forwarding-options>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Destination for port-mirrored packets.

**Contents** <interface>—Interface through which to send sampled traffic.  
             <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/instance/family/ccc)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <port-mirroring>
          <instance>
            <family>
              <ccc>
                <output>
                  <interface>interface</interface>
                  <no-filter-check/>
                </output>
              </ccc>
            </family>
          </instance>
        </port-mirroring>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Destination for port-mirrored packets.

**Contents** <interface>—Interface through which to send sampled traffic.

<no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet)**

---

**Usage**   <configuration>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               <port-mirroring>  
               <instance>  
               <family>  
               <inet>  
                   **<output>**  
                   <interface>...</interface>  
                   <no-filter-check/>  
                   **</output>**  
               </inet>  
               </family>  
               </instance>  
               </port-mirroring>  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </configuration>

**Description**   One or more next hops for port-mirrored packets.

**Contents**   <interface>—Interfaces through which to send sampled traffic.  
               <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet6)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <port-mirroring>
          <instance>
            <family>
              <inet6>
                <output>
                  <interface>...</interface>
                  <no-filter-check/>
                </output>
              </inet6>
            </family>
          </instance>
        </port-mirroring>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** One or more next hops for port-mirrored packets.

**Contents** <interface>—Interfaces through which to send sampled traffic.

<no-filter-check>—Do not check for filters on port-mirroring interface.



## **<output> (configuration/routing-instances/instance/forwarding-options/port-mirroring/instance/family/vpls)**

---

**Usage**   <configuration>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               <port-mirroring>  
               <instance>  
               <family>  
               <vpls>  
                   **<output>**  
                   <interface>*interface*</interface>  
                   <no-filter-check/>  
                   **</output>**  
               </vpls>  
               </family>  
               </instance>  
               </port-mirroring>  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </configuration>

**Description**   Destination for port-mirrored packets.

**Contents**    <interface>—Interface through which to send sampled traffic.  
                   <no-filter-check>—Do not check for filters on port-mirroring interface.

## **<output> (configuration/routing-instances/instance/forwarding-options/sampling)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <forwarding-options>  
                           <sampling>  
                               **<output>**  
                                   <file>...</file>  
                                   <cflowd>...</cflowd>  
                                   <aggregate-export-interval>seconds</aggregate-export-interval>  
                                   <flow-inactive-timeout>seconds</flow-inactive-timeout>  
                                   <flow-active-timeout>seconds</flow-active-timeout>  
                                   <interface>...</interface>  
                                   <extension-service>...</extension-service>  
                               **</output>**  
                           </sampling>  
                       </forwarding-options>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Traffic sampling data disposition.

**Contents**   <aggregate-export-interval>—Interval of exporting aggregate accounting information.

              <cflowd>—Configure sending traffic aggregates in cflowd format.

              <extension-service>—Define the customer specific sampling configuration.

              <file>—Configure parameters for dumping sampled packets.

              <flow-active-timeout>—Interval after which an active flow is exported.

              <flow-inactive-timeout>—Interval of inactivity that marks a flow inactive.

              <interface>—Interfaces used to send monitored information.

## **<output-filter> (configuration/access/profile/radius/attributes/exclude)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;profile&gt;       &lt;radius&gt;         &lt;attributes&gt;           &lt;exclude&gt;             &lt;output-filter&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/output-filter&gt;           &lt;/exclude&gt;         &lt;/attributes&gt;       &lt;/radius&gt;     &lt;/profile&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Excludes RADIUS attribute 26-11, Egress-Policy-Name.
<b>Contents</b>	<p>&lt;name&gt;—Excludes RADIUS attribute 26-11, Egress-Policy-Name.</p> <ul style="list-style-type: none"> <li>■ accounting-start—RADIUS Accounting-Start message.</li> <li>■ accounting-stop—RADIUS Accounting-Stop message.</li> </ul>

## **<output-gigapackets> (configuration/access/profile/radius/attributes/exclude)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;profile&gt;       &lt;radius&gt;         &lt;attributes&gt;           &lt;exclude&gt;             &lt;output-gigapackets&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/output-gigapackets&gt;           &lt;/exclude&gt;         &lt;/attributes&gt;       &lt;/radius&gt;     &lt;/profile&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Excludes RADIUS attribute 26-43, Acct-Output-Gigapackets.
<b>Contents</b>	<p>&lt;name&gt;—Excludes RADIUS attribute 26-43, Acct-Output-Gigapackets.</p> <ul style="list-style-type: none"> <li>■ accounting-stop—RADIUS Accounting-Stop message.</li> </ul>

## **<output-gigawords> (configuration/access/profile/radius/attributes/exclude)**

---

**Usage** <configuration>  
           <access>  
             <profile>  
               <radius>  
                 <attributes>  
                   <exclude>  
                     **<output-gigawords>**  
                       <name>name</name>   <!-- identifier -->  
                     **</output-gigawords>**  
                   </exclude>  
                 </attributes>  
               </radius>  
             </profile>  
           </access>  
         </configuration>

**Description** Excludes RADIUS attribute 53, Acct-Output-Gigawords.

**Contents** <name>—Excludes RADIUS attribute 53, Acct-Output-Gigawords.

- accounting-stop—RADIUS Accounting-Stop message.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <connections>  
                 <p2mp-receive-switch>  
                   **<output-interface>**  
                     <name>name</name>   <!-- identifier -->  
                   **</output-interface>**  
                 </p2mp-receive-switch>  
               </connections>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Next outgoing interface name.

**Contents** <name>—Interface name.

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

---

**Usage**   <configuration>  
           <protocols>  
           <connections>  
           <p2mp-receive-switch>  
           **<output-interface>**  
           <name>name</name>   <!-- identifier -->  
           **</output-interface>**  
           </p2mp-receive-switch>  
           </connections>  
           </protocols>  
           </configuration>

**Description**   Next outgoing interface name.

**Contents**   <name>—Interface name.

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

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <bridge>  
           <filter>  
           **<output-list>**  
           <name>name</name>   <!-- identifier -->  
           **</output-list>**  
           </filter>  
           </bridge>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description**   List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/dynamic-profiles/interfaces/interface/unit/family/ccc/filter)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <ccc>
              <filter>
                <output-list>
                  <name>name</name>    <!-- identifier -->
                </output-list>
              </filter>
            </ccc>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet/filter)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <filter>
                <output-list>
                  <name>name</name>    <!-- identifier -->
                </output-list>
              </filter>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet6/filter)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <inet6>  
                             <filter>  
                                 **<output-list>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</output-list>**  
                             </filter>  
                         </inet6>  
                     </family>  
                 </unit>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** List of filter modules applied to transmitted packets .

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

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

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <mpls>  
                             <filter>  
                                 **<output-list>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</output-list>**  
                             </filter>  
                         </mpls>  
                     </family>  
                 </unit>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** List of filter modules applied to transmitted packets .

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

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

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <vpls>  
                             <filter>  
                                 **<output-list>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</output-list>**  
                             </filter>  
                         </vpls>  
                     </family>  
                 </unit>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/interfaces/interface/unit/family/bridge/filter)**

---

**Usage** <configuration>  
     <interfaces>  
         <interface>  
             <unit>  
                 <family>  
                     <bridge>  
                         <filter>  
                             **<output-list>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</output-list>**  
                         </filter>  
                     </bridge>  
                 </family>  
             </unit>  
         </interface>  
     </interfaces>  
 </configuration>

**Description** List of filter modules applied to transmitted packets .

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



## **<output-list> (configuration/interfaces/interface/unit/family/ ccc/filter)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <ccc>  
          <filter>  
              **<output-list>**  
              <name>*name*</name>   <!-- identifier -->  
              **</output-list>**  
          </filter>  
          </ccc>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/interfaces/interface/unit/family/ inet/filter)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <inet>  
          <filter>  
              **<output-list>**  
              <name>*name*</name>   <!-- identifier -->  
              **</output-list>**  
          </filter>  
          </inet>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/interfaces/interface/unit/family/inet6/filter)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet6>  
           <filter>  
             **<output-list>**  
               <name>*name*</name>   <!-- identifier -->  
             **</output-list>**  
           </filter>  
         </inet6>  
       </family>  
     </unit>  
 </interface>  
</interfaces>  
</configuration>

**Description**   List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/interfaces/interface/unit/family/mpls/filter)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <mpls>  
           <filter>  
             **<output-list>**  
               <name>*name*</name>   <!-- identifier -->  
             **</output-list>**  
           </filter>  
         </mpls>  
       </family>  
     </unit>  
 </interface>  
</interfaces>  
</configuration>

**Description**   List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/interfaces/interface/unit/family/vpls/filter)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <vpls>  
                     <filter>  
                       **<output-list>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</output-list>**  
                     </filter>  
                   </vpls>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/logical-systems/interfaces/interface/unit/family/bridge/filter)**

---

**Usage** <configuration>  
           <logical-systems>  
             <interfaces>  
               <interface>  
                 <unit>  
                   <family>  
                     <bridge>  
                       <filter>  
                       **<output-list>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</output-list>**  
                     </filter>  
                   </bridge>  
                 </family>  
               </unit>  
             </interface>  
           </logical-systems>  
         </configuration>

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/logical-systems/interfaces/interface/unit/family/ccc/filter)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <ccc>
              <filter>
                <output-list>
                  <name>name</name>    <!-- identifier -->
                </output-list>
              </filter>
            </ccc>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/logical-systems/interfaces/interface/unit/family/inet/filter)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <filter>
                <output-list>
                  <name>name</name>    <!-- identifier -->
                </output-list>
              </filter>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/logical-systems/interfaces/interface/unit/family/inet6/filter)**

---

**Usage** <configuration>  
     <logical-systems>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <inet6>  
                             <filter>  
                                 **<output-list>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</output-list>**  
                             </filter>  
                         </inet6>  
                     </family>  
                 </unit>  
             </interface>  
         </interfaces>  
     </logical-systems>  
 </configuration>

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/logical-systems/interfaces/interface/unit/family/mpls/filter)**

---

**Usage** <configuration>  
     <logical-systems>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <mpls>  
                             <filter>  
                                 **<output-list>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</output-list>**  
                             </filter>  
                         </mpls>  
                     </family>  
                 </unit>  
             </interface>  
         </interfaces>  
     </logical-systems>  
 </configuration>

**Description** List of filter modules applied to transmitted packets .

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

## **<output-list> (configuration/logical-systems/interfaces/interface/unit/family/vpls/filter)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <vpls>
              <filter>
                <output-list>
                  <name>name</name>    <!-- identifier -->
                </output-list>
              </filter>
            </vpls>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** List of filter modules applied to transmitted packets .

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

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

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <gigether-options>
          <ethernet-switch-profile>
            <ethernet-policer-profile>
              <output-priority-map>
                <classifier>...</classifier>
              </output-priority-map>
            </ethernet-policer-profile>
          </ethernet-switch-profile>
        </gigether-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Output policer priority map.

**Contents** <classifier>—Use classifier as policer priority map.

## **<output-priority-map> (configuration/interfaces/interface/ gigether-options/ethernet-switch-profile/ethernet-policer-profile)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <gigether-options>  
                 <ethernet-switch-profile>  
                   <ethernet-policer-profile>  
                     **<output-priority-map>**  
                       <classifier>...</classifier>  
                     **</output-priority-map>**  
                   </ethernet-policer-profile>  
                 </ethernet-switch-profile>  
               </gigether-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Output policer priority map.

**Contents** <classifier>—Use classifier as policer priority map.

## **<output-traffic-control-profile> (configuration/ class-of-service/interfaces/interface)**

---

**Usage** <configuration>  
           <class-of-service>  
             <interfaces>  
               <interface>  
                 **<output-traffic-control-profile>**  
                   <profile-name>profile-name</profile-name>   <!-- mandatory -->  
                 **</output-traffic-control-profile>**  
               </interface>  
             </interfaces>  
           </class-of-service>  
         </configuration>

**Description** Output traffic control profile.

**Contents** <profile-name>—Name of the traffic control profile.

## **<output-traffic-control-profile> (configuration/ class-of-service/interfaces/interface/unit)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;unit&gt;           &lt;output-traffic-control-profile&gt;             &lt;profile-name&gt;profile-name&lt;/profile-name&gt;    &lt;!-- mandatory --&gt;             &lt;shared-instance&gt;shared-instance&lt;/shared-instance&gt;           &lt;/output-traffic-control-profile&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Output traffic control profile.
<b>Contents</b>	<p>&lt;profile-name&gt;—Name of the traffic control profile.</p> <p>&lt;shared-instance&gt;—Name of the shared instance.</p>

## **<output-traffic-control-profile> (configuration/ class-of-service/interfaces/interface-set)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;interfaces&gt;       &lt;interface-set&gt;         &lt;output-traffic-control-profile&gt;           &lt;profile-name&gt;profile-name&lt;/profile-name&gt;         &lt;/output-traffic-control-profile&gt;       &lt;/interface-set&gt;     &lt;/interfaces&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Output traffic control profile for the interface set.
<b>Contents</b>	<profile-name>—Name of the output traffic control profile associated with the interface set.



## **<output-traffic-control-profile> (configuration/ dynamic-profiles/class-of-service/interfaces/interface)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
               **<output-traffic-control-profile>**  
               <profile-name>*profile-name*</profile-name>   <!-- mandatory -->  
               **</output-traffic-control-profile>**  
           </interface>  
         </interfaces>  
       </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description**   Output traffic control profile.

**Contents**   <profile-name>—Name of the traffic control profile.

## **<output-traffic-control-profile> (configuration/ dynamic-profiles/class-of-service/interfaces/interface/unit)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
               **<output-traffic-control-profile>**  
               <profile-name>*profile-name*</profile-name>   <!-- mandatory -->  
               <shared-instance>*shared-instance*</shared-instance>  
               **</output-traffic-control-profile>**  
           </unit>  
         </interface>  
       </interfaces>  
     </class-of-service>  
 </dynamic-profiles>  
</configuration>

**Description**   Output traffic control profile.

**Contents**   <profile-name>—Name of the traffic control profile.

              <shared-instance>—Name of the shared instance.

## **<output-traffic-control-profile> (configuration/ dynamic-profiles/class-of-service/interfaces/interface-set)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface-set>  
             **<output-traffic-control-profile>**  
               <profile-name>*profile-name*</profile-name>  
             **</output-traffic-control-profile>**  
           </interface-set>  
         </interfaces>  
       </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description**   Output traffic control profile for the interface set.

**Contents**    <profile-name>—Name of the output traffic control profile associated with the interface set.

## **<output-traffic-control-profile-remaining> (configuration/ class-of-service/interfaces/interface)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <interfaces>  
           <interface>  
             **<output-traffic-control-profile-remaining>**  
               <profile-name>*profile-name*</profile-name>   <!-- mandatory -->  
             **</output-traffic-control-profile-remaining>**  
           </interface>  
         </interfaces>  
       </class-of-service>  
 </configuration>

**Description**   Output traffic control profile for remaining traffic on the ifd.

**Contents**    <profile-name>—Name of the traffic control profile.

## **<output-traffic-control-profile-remaining> (configuration/ class-of-service/interfaces/interface-set)**

---

**Usage**   <configuration>  
          <class-of-service>  
          <interfaces>  
          <interface-set>  
              **<output-traffic-control-profile-remaining>**  
              <profile-name>*profile-name*</profile-name>  
              **</output-traffic-control-profile-remaining>**  
          </interface-set>  
        </interfaces>  
      </class-of-service>  
    </configuration>

**Description**   Output traffic control profile for the remaining traffic on an interface set.

**Contents**    <profile-name>—Name of the output traffic control profile associated with the remaining traffic for the interface set.

## **<output-traffic-control-profile-remaining> (configuration/ dynamic-profiles/class-of-service/interfaces/interface)**

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <class-of-service>  
          <interfaces>  
          <interface>  
              **<output-traffic-control-profile-remaining>**  
              <profile-name>*profile-name*</profile-name>   <!-- mandatory -->  
              **</output-traffic-control-profile-remaining>**  
          </interface>  
        </interfaces>  
      </class-of-service>  
    </dynamic-profiles>  
  </configuration>

**Description**   Output traffic control profile for remaining traffic on the ifd.

**Contents**    <profile-name>—Name of the traffic control profile.

## **<output-traffic-control-profile-remaining> (configuration/ dynamic-profiles/class-of-service/interfaces/interface-set)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface-set>  
             **<output-traffic-control-profile-remaining>**  
               <profile-name>*profile-name*</profile-name>  
             **</output-traffic-control-profile-remaining>**  
           </interface-set>  
         </interfaces>  
       </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description**   Output traffic control profile for the remaining traffic on an interface set.

**Contents**    <profile-name>—Name of the output traffic control profile associated with the remaining traffic for the interface set.

## **<output-vlan-map> (configuration/dynamic-profiles/interfaces/interface/unit)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
               **<output-vlan-map>**  
                   <push/>  
                   <swap/>  
                   <pop/>  
                   <push-push/>  
                   <swap-push/>  
                   <swap-swap/>  
                   <pop-swap/>  
                   <pop-pop/>  
                   <tag-protocol-id>*tag-protocol-id*</tag-protocol-id>  
                   <inner-tag-protocol-id>*inner-tag-protocol-id*</inner-tag-protocol-id>  
                   <vlan-id>*vlan-id*</vlan-id>  
                   <inner-vlan-id>*inner-vlan-id*</inner-vlan-id>  
                   **</output-vlan-map>**  
               </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** VLAN map operation on output.

**Contents** <inner-tag-protocol-id>—IEEE 802.1q Tag Protocol ID to rewrite for inner tag.

<inner-vlan-id>—VLAN ID to rewrite for inner tag.

<pop>—Pop a VLAN tag.

<pop-pop>—Pop both outer and inner VLAN tags.

<pop-swap>—Pop outer VLAN tag and swap inner VLAN tag.

<push>—Push a VLAN tag.

<push-push>—Push two VLAN tags.

<swap>—Swap a VLAN tag.

<swap-push>—Swap VLAN tag and push a new VLAN tag.

<swap-swap>—Swap both outer and inner VLAN tags.

<tag-protocol-id>—IEEE 802.1q Tag Protocol Identifier to rewrite.

<vlan-id>—VLAN ID to rewrite.

**<output-vlan-map> (configuration/interfaces/interface/unit)**

---

**Usage** <configuration>  
 <interfaces>  
 <interface>  
 <unit>  
   **<output-vlan-map>**  
     <push/>  
     <swap/>  
     <pop/>  
     <push-push/>  
     <swap-push/>  
     <swap-swap/>  
     <pop-swap/>  
     <pop-pop/>  
     <tag-protocol-id>*tag-protocol-id*</tag-protocol-id>  
     <inner-tag-protocol-id>*inner-tag-protocol-id*</inner-tag-protocol-id>  
     <vlan-id>*vlan-id*</vlan-id>  
     <inner-vlan-id>*inner-vlan-id*</inner-vlan-id>  
   **</output-vlan-map>**  
 </unit>  
 </interface>  
 </interfaces>  
 </configuration>

**Description** VLAN map operation on output.

**Contents** <inner-tag-protocol-id>—IEEE 802.1q Tag Protocol ID to rewrite for inner tag.

<inner-vlan-id>—VLAN ID to rewrite for inner tag.

<pop>—Pop a VLAN tag.

<pop-pop>—Pop both outer and inner VLAN tags.

<pop-swap>—Pop outer VLAN tag and swap inner VLAN tag.

<push>—Push a VLAN tag.

<push-push>—Push two VLAN tags.

<swap>—Swap a VLAN tag.

<swap-push>—Swap VLAN tag and push a new VLAN tag.

<swap-swap>—Swap both outer and inner VLAN tags.

<tag-protocol-id>—IEEE 802.1q Tag Protocol Identifier to rewrite.

<vlan-id>—VLAN ID to rewrite.

## **<output-vlan-map> (configuration/logical-systems/interfaces/interface/unit)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <output-vlan-map>
            <push/>
            <swap/>
            <pop/>
            <push-push/>
            <swap-push/>
            <swap-swap/>
            <pop-swap/>
            <pop-pop/>
            <tag-protocol-id>tag-protocol-id</tag-protocol-id>
            <inner-tag-protocol-id>inner-tag-protocol-id</inner-tag-protocol-id>
            <vlan-id>vlan-id</vlan-id>
            <inner-vlan-id>inner-vlan-id</inner-vlan-id>
          </output-vlan-map>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** VLAN map operation on output.

**Contents** <inner-tag-protocol-id>—IEEE 802.1q Tag Protocol ID to rewrite for inner tag.

<inner-vlan-id>—VLAN ID to rewrite for inner tag.

<pop>—Pop a VLAN tag.

<pop-pop>—Pop both outer and inner VLAN tags.

<pop-swap>—Pop outer VLAN tag and swap inner VLAN tag.

<push>—Push a VLAN tag.

<push-push>—Push two VLAN tags.

<swap>—Swap a VLAN tag.

<swap-push>—Swap VLAN tag and push a new VLAN tag.

<swap-swap>—Swap both outer and inner VLAN tags.

<tag-protocol-id>—IEEE 802.1q Tag Protocol Identifier to rewrite.

<vlan-id>—VLAN ID to rewrite.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <isis>  
                 **<overload>**  
                   <timeout>seconds</timeout>  
                   <advertise-high-metrics/>  
                 **</overload>**  
               </isis>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Set the overload bit (no transit traffic).

**Contents** <advertise-high-metrics>—Advertise high metrics instead of setting the overload bit.  
             <timeout>—Time after which overload bit is reset.

**<overload> (configuration/logical-systems/protocols/ospf)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <ospf>  
                 **<overload>**  
                   <timeout>seconds</timeout>  
                 **</overload>**  
               </ospf>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Set the overload mode (repel transit traffic).

**Contents** <timeout>—Time after which overload mode is reset.



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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <ospf3>  
                 **<overload>**  
                   <timeout>seconds</timeout>  
                 **</overload>**  
               </ospf3>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Set the overload mode (repel transit traffic).

**Contents** <timeout>—Time after which overload mode is reset.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <ospf3>  
                 <realm>  
                   **<overload>**  
                     <timeout>seconds</timeout>  
                   **</overload>**  
                 </realm>  
               </ospf3>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Set the overload mode (repel transit traffic).

**Contents** <timeout>—Time after which overload mode is reset.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <isis>  
                         **<overload>**  
                             <timeout>seconds</timeout>  
                             <advertise-high-metrics/>  
                         **</overload>**  
                     </isis>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Set the overload bit (no transit traffic).

**Contents** <advertise-high-metrics>—Advertise high metrics instead of setting the overload bit.  
     <timeout>—Time after which overload bit is reset.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <ospf>  
                         **<overload>**  
                             <timeout>seconds</timeout>  
                         **</overload>**  
                     </ospf>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Set the overload mode (repel transit traffic).

**Contents** <timeout>—Time after which overload mode is reset.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           **<overload>**  
             <timeout>seconds</timeout>  
           **</overload>**  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Set the overload mode (repel transit traffic).

**Contents** <timeout>—Time after which overload mode is reset.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <realm>  
           **<overload>**  
             <timeout>seconds</timeout>  
           **</overload>**  
           </realm>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Set the overload mode (repel transit traffic).

**Contents** <timeout>—Time after which overload mode is reset.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;isis&gt;       &lt;overload&gt;         &lt;timeout&gt;seconds&lt;/timeout&gt;         &lt;advertise-high-metrics/&gt;       &lt;/overload&gt;     &lt;/isis&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Set the overload bit (no transit traffic).
<b>Contents</b>	<p>&lt;advertise-high-metrics&gt;—Advertise high metrics instead of setting the overload bit.</p> <p>&lt;timeout&gt;—Time after which overload bit is reset.</p>

**<overload> (configuration/protocols/ospf)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;ospf&gt;       &lt;overload&gt;         &lt;timeout&gt;seconds&lt;/timeout&gt;       &lt;/overload&gt;     &lt;/ospf&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Set the overload mode (repel transit traffic).
<b>Contents</b>	<timeout>—Time after which overload mode is reset.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;ospf3&gt;       &lt;overload&gt;         &lt;timeout&gt;seconds&lt;/timeout&gt;       &lt;/overload&gt;     &lt;/ospf3&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Set the overload mode (repel transit traffic).
<b>Contents</b>	<timeout>—Time after which overload mode is reset.

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

---

**Usage** <configuration>  
           <protocols>  
             <ospf3>  
               <realm>  
                 **<overload>**  
                   <timeout>seconds</timeout>  
                 **</overload>**  
               </realm>  
             </ospf3>  
           </protocols>  
         </configuration>

**Description** Set the overload mode (repel transit traffic).

**Contents** <timeout>—Time after which overload mode is reset.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <isis>  
                   **<overload>**  
                     <timeout>seconds</timeout>  
                     <advertise-high-metrics/>  
                   **</overload>**  
                 </isis>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Set the overload bit (no transit traffic).

**Contents** <advertise-high-metrics>—Advertise high metrics instead of setting the overload bit.  
           <timeout>—Time after which overload bit is reset.

## **<overload> (configuration/routing-instances/instance/protocols/ospf)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf>  
             **<overload>**  
               <timeout>seconds</timeout>  
             **</overload>**  
           </ospf>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Set the overload mode (repel transit traffic).

**Contents**    <timeout>—Time after which overload mode is reset.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
             **<overload>**  
               <timeout>seconds</timeout>  
             **</overload>**  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Set the overload mode (repel transit traffic).

**Contents**    <timeout>—Time after which overload mode is reset.

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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <ospf3>  
                           <realm>  
                               **<overload>**  
                                 <timeout>*seconds*</timeout>  
                               **</overload>**  
                           </realm>  
                       </ospf3>  
                   </protocols>  
               </instance>  
           </routing-instances>  
       </configuration>

**Description**   Set the overload mode (repel transit traffic).

**Contents**    <timeout>—Time after which overload mode is reset.

## **<overload-control> (configuration/services/pgcp/gateway)**

---

**Usage**   <configuration>  
               <services>  
                 <pgcp>  
                   <gateway>  
                       **<overload-control>**  
                         <queue-limit-percentage>*queue-limit-percentage*</queue-limit-percentage>  
                       **</overload-control>**  
                   </gateway>  
                 </pgcp>  
               </services>  
       </configuration>

**Description**   No documentation is available yet.

**Contents**    <queue-limit-percentage>—Overload control queue limit percentage.

## **<override-metric> (configuration/logical-systems/protocols/ospf/area/nssa/area-range)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <ospf>  
          <area>  
          <nssa>  
          <area-range>  
            **<override-metric>**  
              <metric>*metric*</metric>   <!-- mandatory -->  
              <metric-type>*metric-type*</metric-type>  
            **</override-metric>**  
          </area-range>  
          </nssa>  
          </area>  
          </ospf>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Override the dynamic metric for this area-range.

**Contents**   <metric>—Metric value.

          <metric-type>—Set the metric type for the override metric.



## **<override-metric> (configuration/logical-systems/protocols/ospf3/area/nssa/area-range)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <protocols>  
                       <ospf3>  
                           <area>  
                               <nssa>  
                                   <area-range>  
                                       **<override-metric>**  
   <metric>*metric*</metric>   <!-- mandatory -->  
   <metric-type>*metric-type*</metric-type>  
                                       **</override-metric>**  
                                   </area-range>  
                           </nssa>  
                   </area>  
               </ospf3>  
           </protocols>  
       </logical-systems>  
   </configuration>

**Description**   Override the dynamic metric for this area-range.

**Contents**   <metric>—Metric value.

              <metric-type>—Set the metric type for the override metric.

**<override-metric> (configuration/logical-systems/protocols/ospf3/realm/area/nssa/area-range)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <ospf3>  
          <realm>  
          <area>  
          <nssa>  
          <area-range>  
            **<override-metric>**  
              <metric>*metric*</metric>   <!-- mandatory -->  
              <metric-type>*metric-type*</metric-type>  
            **</override-metric>**  
          </area-range>  
          </nssa>  
          </area>  
          </realm>  
          </ospf3>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Override the dynamic metric for this area-range.

**Contents**    <metric>—Metric value.

              <metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/logical-systems/ routing-instances/instance/protocols/ospf/area/nssa/area-range)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf>  
           <area>  
           <nssa>  
           <area-range>  
             **<override-metric>**  
               <metric>*metric*</metric>   <!-- mandatory -->  
               <metric-type>*metric-type*</metric-type>  
             **</override-metric>**  
           </area-range>  
           </nssa>  
           </area>  
           </ospf>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Override the dynamic metric for this area-range.

**Contents**   <metric>—Metric value.

          <metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/logical-systems/ routing-instances/instance/protocols/ospf3/area/nssa/area-range)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <area>
              <nssa>
                <area-range>
                  <override-metric>
                    <metric>metric</metric>    <!-- mandatory -->
                    <metric-type>metric-type</metric-type>
                  </override-metric>
                </area-range>
              </nssa>
            </area>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Override the dynamic metric for this area-range.

**Contents** <metric>—Metric value.

<metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/logical-systems/ routing-instances/instance/protocols/ospf3/realm/area/nssa/ area-range)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           <nssa>  
           <area-range>  
               **<override-metric>**  
                   <metric>*metric*</metric>   <!-- mandatory -->  
                   <metric-type>*metric-type*</metric-type>  
               **</override-metric>**  
           </area-range>  
           </nssa>  
           </area>  
           </realm>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Override the dynamic metric for this area-range.

**Contents**    <metric>—Metric value.

                <metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/protocols/ospf/area/nssa/area-range)**

---

**Usage** <configuration>  
           <protocols>  
             <ospf>  
               <area>  
                 <nssa>  
                   <area-range>  
                     **<override-metric>**  
                       <metric>*metric*</metric>   <!-- mandatory -->  
                       <metric-type>*metric-type*</metric-type>  
                     **</override-metric>**  
                   </area-range>  
                 </nssa>  
               </area>  
             </ospf>  
           </protocols>  
         </configuration>

**Description** Override the dynamic metric for this area-range.

**Contents** <metric>—Metric value.

<metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/protocols/ospf3/area/nssa/area-range)**

---

**Usage** <configuration>  
           <protocols>  
             <ospf3>  
               <area>  
                 <nssa>  
                   <area-range>  
                     **<override-metric>**  
                       <metric>*metric*</metric>   <!-- mandatory -->  
                       <metric-type>*metric-type*</metric-type>  
                     **</override-metric>**  
                   </area-range>  
                 </nssa>  
               </area>  
             </ospf3>  
           </protocols>  
         </configuration>

**Description** Override the dynamic metric for this area-range.

**Contents** <metric>—Metric value.

<metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/protocols/ospf3/realm/area/nssa/area-range)**

---

**Usage**   <configuration>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           <nssa>  
           <area-range>  
             **<override-metric>**  
               <metric>*metric*</metric>   <!-- mandatory -->  
               <metric-type>*metric-type*</metric-type>  
             **</override-metric>**  
           </area-range>  
         </nssa>  
       </area>  
   </realm>  
</ospf3>  
</protocols>  
</configuration>

**Description**   Override the dynamic metric for this area-range.

**Contents**   <metric>—Metric value.

          <metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/routing-instances/instance/protocols/ospf/area/nssa/area-range)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ospf>
          <area>
            <nssa>
              <area-range>
                <override-metric>
                  <metric>metric</metric>    <!-- mandatory -->
                  <metric-type>metric-type</metric-type>
                </override-metric>
              </area-range>
            </nssa>
          </area>
        </ospf>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Override the dynamic metric for this area-range.

**Contents** <metric>—Metric value.

<metric-type>—Set the metric type for the override metric.



## **<override-metric> (configuration/routing-instances/instance/protocols/ospf3/area/nssa/area-range)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <area>  
           <nssa>  
           <area-range>  
               **<override-metric>**  
                   <metric>*metric*</metric>   <!-- mandatory -->  
                   <metric-type>*metric-type*</metric-type>  
               **</override-metric>**  
           </area-range>  
           </nssa>  
           </area>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Override the dynamic metric for this area-range.

**Contents**    <metric>—Metric value.

                <metric-type>—Set the metric type for the override metric.

## **<override-metric> (configuration/routing-instances/instance/protocols/ospf3/realm/area/nssa/area-range)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ospf3>
          <realm>
            <area>
              <nssa>
                <area-range>
                  <override-metric>
                    <metric>metric</metric>    <!-- mandatory -->
                    <metric-type>metric-type</metric-type>
                  </override-metric>
                </area-range>
              </nssa>
            </area>
          </realm>
        </ospf3>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Override the dynamic metric for this area-range.

**Contents** <metric>—Metric value.

<metric-type>—Set the metric type for the override metric.

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

---

**Usage**   <configuration>  
               <bridge-domains>  
               <domain>  
               <forwarding-options>  
               <dhcp-relay>  
               **<overrides>**  
                   <always-write-giaddr/>  
                   <always-write-option-82/>  
                   <layer2-unicast-replies/>  
                   <trust-option-82/>  
                   <disable-relay/>  
                   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                   <no-arp/>  
                   <client-discover-match/>  
               **</overrides>**  
               </dhcp-relay>  
               </forwarding-options>  
               </domain>  
               </bridge-domains>  
               </configuration>

**Description**   DHCP override processing.

**Contents**   <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

              <always-write-option-82>—Overwrite existing value of option 82, when present.

              <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

              <disable-relay>—Disable DHCP relay processing.

              <interface-client-limit>—Limit the number of client allowed on an interface.

              <layer2-unicast-replies>—Do not broadcast client responses.

              <no-arp>—Disable DHCP ARP table population.

              <trust-option-82>—Trust options-82 option.

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

---

**Usage**

```

<configuration>
  <bridge-domains>
    <domain>
      <forwarding-options>
        <dhcp-relay>
          <group>
            <overrides>
              <always-write-giaddr/>
              <always-write-option-82/>
              <layer2-unicast-replies/>
              <trust-option-82/>
              <disable-relay/>
              <interface-client-limit>interface-client-limit</interface-client-limit>
              <no-arp/>
              <client-discover-match/>
            </overrides>
          </group>
        </dhcp-relay>
      </forwarding-options>
    </domain>
  </bridge-domains>
</configuration>

```

**Description** DHCP override processing.

**Contents**

- <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.
- <always-write-option-82>—Overwrite existing value of option 82, when present.
- <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.
- <disable-relay>—Disable DHCP relay processing.
- <interface-client-limit>—Limit the number of client allowed on an interface.
- <layer2-unicast-replies>—Do not broadcast client responses.
- <no-arp>—Disable DHCP ARP table population.
- <trust-option-82>—Trust options-82 option.

**<overrides> (configuration/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
           <forwarding-options>  
           <dhcp-relay>  
           **<overrides>**  
             <always-write-giaddr/>  
             <always-write-option-82/>  
             <layer2-unicast-replies/>  
             <trust-option-82/>  
             <disable-relay/>  
             <interface-client-limit>*interface-client-limit*</interface-client-limit>  
             <no-arp/>  
             <client-discover-match/>  
           **</overrides>**  
           </dhcp-relay>  
           </forwarding-options>  
         </configuration>

**Description** DHCP override processing.

**Contents** <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

<always-write-option-82>—Overwrite existing value of option 82, when present.

<client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

<disable-relay>—Disable DHCP relay processing.

<interface-client-limit>—Limit the number of client allowed on an interface.

<layer2-unicast-replies>—Do not broadcast client responses.

<no-arp>—Disable DHCP ARP table population.

<trust-option-82>—Trust options-82 option.

**<overrides> (configuration/forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
           <forwarding-options>  
             <dhcp-relay>  
               <group>  
                 **<overrides>**  
                   <always-write-giaddr/>  
                   <always-write-option-82/>  
                   <layer2-unicast-replies/>  
                   <trust-option-82/>  
                   <disable-relay/>  
                   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                   <no-arp/>  
                   <client-discover-match/>  
                 **</overrides>**  
               </group>  
             </dhcp-relay>  
           </forwarding-options>  
         </configuration>

**Description** DHCP override processing.

**Contents** <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

<always-write-option-82>—Overwrite existing value of option 82, when present.

<client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

<disable-relay>—Disable DHCP relay processing.

<interface-client-limit>—Limit the number of client allowed on an interface.

<layer2-unicast-replies>—Do not broadcast client responses.

<no-arp>—Disable DHCP ARP table population.

<trust-option-82>—Trust options-82 option.

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

---

**Usage**   <configuration>  
               <logical-systems>  
                   <forwarding-options>  
                       <dhcp-relay>  
                           **<overrides>**  
                               <always-write-giaddr/>  
                               <always-write-option-82/>  
                               <layer2-unicast-replies/>  
                               <trust-option-82/>  
                               <disable-relay/>  
                               <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                               <no-arp/>  
                               <client-discover-match/>  
                           **</overrides>**  
                       </dhcp-relay>  
                   </forwarding-options>  
               </logical-systems>  
           </configuration>

**Description**   DHCP override processing.

**Contents**   <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

                  <always-write-option-82>—Overwrite existing value of option 82, when present.

                  <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

                  <disable-relay>—Disable DHCP relay processing.

                  <interface-client-limit>—Limit the number of client allowed on an interface.

                  <layer2-unicast-replies>—Do not broadcast client responses.

                  <no-arp>—Disable DHCP ARP table population.

                  <trust-option-82>—Trust options-82 option.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <forwarding-options>
      <dhcp-relay>
        <group>
          <overrides>
            <always-write-giaddr/>
            <always-write-option-82/>
            <layer2-unicast-replies/>
            <trust-option-82/>
            <disable-relay/>
            <interface-client-limit>interface-client-limit</interface-client-limit>
            <no-arp/>
            <client-discover-match/>
          </overrides>
        </group>
      </dhcp-relay>
    </forwarding-options>
  </logical-systems>
</configuration>

```

**Description** DHCP override processing.

**Contents**

- <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.
- <always-write-option-82>—Overwrite existing value of option 82, when present.
- <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.
- <disable-relay>—Disable DHCP relay processing.
- <interface-client-limit>—Limit the number of client allowed on an interface.
- <layer2-unicast-replies>—Do not broadcast client responses.
- <no-arp>—Disable DHCP ARP table population.
- <trust-option-82>—Trust options-82 option.



## **<overrides> (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>  
                                 **<overrides>**  
                                     <always-write-giaddr/>  
                                     <always-write-option-82/>  
                                     <layer2-unicast-replies/>  
                                     <trust-option-82/>  
                                     <disable-relay/>  
                                     <interface-client-limit>interface-client-limit</interface-client-limit>  
                                     <no-arp/>  
                                     <client-discover-match/>  
                                 **</overrides>**  
                             </dhcp-relay>  
                         </forwarding-options>  
                     </domain>  
                 </bridge-domains>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** DHCP override processing.

**Contents** <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

<always-write-option-82>—Overwrite existing value of option 82, when present.

<client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

<disable-relay>—Disable DHCP relay processing.

<interface-client-limit>—Limit the number of client allowed on an interface.

<layer2-unicast-replies>—Do not broadcast client responses.

<no-arp>—Disable DHCP ARP table population.

<trust-option-82>—Trust options-82 option.

## **<overrides> (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>
                  <overrides>
                    <always-write-giaddr/>
                    <always-write-option-82/>
                    <layer2-unicast-replies/>
                    <trust-option-82/>
                    <disable-relay/>
                    <interface-client-limit>interface-client-limit
                  </interface-client-limit>
                    <no-arp/>
                    <client-discover-match/>
                  </overrides>
                </group>
              </dhcp-relay>
            </forwarding-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** DHCP override processing.

**Contents**

- <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.
- <always-write-option-82>—Overwrite existing value of option 82, when present.
- <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.
- <disable-relay>—Disable DHCP relay processing.
- <interface-client-limit>—Limit the number of client allowed on an interface.
- <layer2-unicast-replies>—Do not broadcast client responses.
- <no-arp>—Disable DHCP ARP table population.
- <trust-option-82>—Trust options-82 option.

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               <dhcp-relay>  
               **<overrides>**  
                   <always-write-giaddr/>  
                   <always-write-option-82/>  
                   <layer2-unicast-replies/>  
                   <trust-option-82/>  
                   <disable-relay/>  
                   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                   <no-arp/>  
                   <client-discover-match/>  
               **</overrides>**  
               </dhcp-relay>  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   DHCP override processing.

**Contents**   <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

              <always-write-option-82>—Overwrite existing value of option 82, when present.

              <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

              <disable-relay>—Disable DHCP relay processing.

              <interface-client-limit>—Limit the number of client allowed on an interface.

              <layer2-unicast-replies>—Do not broadcast client responses.

              <no-arp>—Disable DHCP ARP table population.

              <trust-option-82>—Trust options-82 option.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <dhcp-relay>
            <group>
              <overrides>
                <always-write-giaddr/>
                <always-write-option-82/>
                <layer2-unicast-replies/>
                <trust-option-82/>
                <disable-relay/>
                <interface-client-limit>interface-client-limit</interface-client-limit>
                <no-arp/>
                <client-discover-match/>
              </overrides>
            </group>
          </dhcp-relay>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** DHCP override processing.

**Contents**

- <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.
- <always-write-option-82>—Overwrite existing value of option 82, when present.
- <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.
- <disable-relay>—Disable DHCP relay processing.
- <interface-client-limit>—Limit the number of client allowed on an interface.
- <layer2-unicast-replies>—Do not broadcast client responses.
- <no-arp>—Disable DHCP ARP table population.
- <trust-option-82>—Trust options-82 option.

## **<overrides> (configuration/logical-systems/routing-instances/instance/system/services/dhcp-local-server)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <system>  
               <services>  
               <dhcp-local-server>  
               **<overrides>**  
                   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                   <no-arp/>  
                   <client-discover-match/>  
               **</overrides>**  
               </dhcp-local-server>  
               </services>  
               </system>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   DHCP override processing.

**Contents**   <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

              <interface-client-limit>—Limit the number of clients allowed on an interface.

              <no-arp>—Disable DHCP ARP table population.

## **<overrides> (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>  
               **<overrides>**  
                   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                   <no-arp/>  
                   <client-discover-match/>  
               **</overrides>**  
               </group>  
           </dhcp-local-server>  
           </services>  
           </system>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   DHCP override processing.

**Contents**   <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

          <interface-client-limit>—Limit the number of clients allowed on an interface.

          <no-arp>—Disable DHCP ARP table population.

## **<overrides> (configuration/logical-systems/system/services/dhcp-local-server)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <system>  
               <services>  
               <dhcp-local-server>  
               **<overrides>**  
                   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                   <no-arp/>  
                   <client-discover-match/>  
               **</overrides>**  
               </dhcp-local-server>  
               </services>  
               </system>  
               </logical-systems>  
               </configuration>

**Description**   DHCP override processing.

**Contents**   <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

              <interface-client-limit>—Limit the number of clients allowed on an interface.

              <no-arp>—Disable DHCP ARP table population.

## **<overrides> (configuration/logical-systems/system/services/dhcp-local-server/group)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <system>  
          <services>  
          <dhcp-local-server>  
          <group>  
          **<overrides>**  
          <interface-client-limit>*interface-client-limit*</interface-client-limit>  
          <no-arp/>  
          <client-discover-match/>  
          **</overrides>**  
          </group>  
          </dhcp-local-server>  
          </services>  
          </system>  
          </logical-systems>  
          </configuration>

**Description**   DHCP override processing.

**Contents**   <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

          <interface-client-limit>—Limit the number of clients allowed on an interface.

          <no-arp>—Disable DHCP ARP table population.



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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <bridge-domains>  
                 <domain>  
                     <forwarding-options>  
                         <dhcp-relay>  
                             **<overrides>**  
                                 <always-write-giaddr/>  
                                 <always-write-option-82/>  
                                 <layer2-unicast-replies/>  
                                 <trust-option-82/>  
                                 <disable-relay/>  
                                 <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                                 <no-arp/>  
                                 <client-discover-match/>  
                             **</overrides>**  
                         </dhcp-relay>  
                     </forwarding-options>  
                 </domain>  
             </bridge-domains>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** DHCP override processing.

**Contents** <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

<always-write-option-82>—Overwrite existing value of option 82, when present.

<client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

<disable-relay>—Disable DHCP relay processing.

<interface-client-limit>—Limit the number of client allowed on an interface.

<layer2-unicast-replies>—Do not broadcast client responses.

<no-arp>—Disable DHCP ARP table population.

<trust-option-82>—Trust options-82 option.

## **<overrides> (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>
                <overrides>
                  <always-write-giaddr/>
                  <always-write-option-82/>
                  <layer2-unicast-replies/>
                  <trust-option-82/>
                  <disable-relay/>
                  <interface-client-limit>interface-client-limit</interface-client-limit>
                  <no-arp/>
                  <client-discover-match/>
                </overrides>
              </group>
            </dhcp-relay>
          </forwarding-options>
        </domain>
      </bridge-domains>
    </instance>
  </routing-instances>
</configuration>

```

**Description** DHCP override processing.

**Contents**

- <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.
- <always-write-option-82>—Overwrite existing value of option 82, when present.
- <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.
- <disable-relay>—Disable DHCP relay processing.
- <interface-client-limit>—Limit the number of client allowed on an interface.
- <layer2-unicast-replies>—Do not broadcast client responses.
- <no-arp>—Disable DHCP ARP table population.
- <trust-option-82>—Trust options-82 option.

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

---

**Usage**   <configuration>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               <dhcp-relay>  
               **<overrides>**  
                   <always-write-giaddr/>  
                   <always-write-option-82/>  
                   <layer2-unicast-replies/>  
                   <trust-option-82/>  
                   <disable-relay/>  
                   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                   <no-arp/>  
                   <client-discover-match/>  
               **</overrides>**  
               </dhcp-relay>  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </configuration>

**Description**   DHCP override processing.

**Contents**   <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

              <always-write-option-82>—Overwrite existing value of option 82, when present.

              <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

              <disable-relay>—Disable DHCP relay processing.

              <interface-client-limit>—Limit the number of client allowed on an interface.

              <layer2-unicast-replies>—Do not broadcast client responses.

              <no-arp>—Disable DHCP ARP table population.

              <trust-option-82>—Trust options-82 option.

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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <forwarding-options>  
                           <dhcp-relay>  
                               <group>  
                                   **<overrides>**  
                                       <always-write-giaddr/>  
                                       <always-write-option-82/>  
                                       <layer2-unicast-replies/>  
                                       <trust-option-82/>  
                                       <disable-relay/>  
                                       <interface-client-limit>*interface-client-limit*</interface-client-limit>  
                                       <no-arp/>  
                                       <client-discover-match/>  
                                   **</overrides>**  
                               </group>  
                           </dhcp-relay>  
                       </forwarding-options>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   DHCP override processing.

**Contents**   <always-write-giaddr>—Overwrite existing 'giaddr' field, when present.

              <always-write-option-82>—Overwrite existing value of option 82, when present.

              <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

              <disable-relay>—Disable DHCP relay processing.

              <interface-client-limit>—Limit the number of client allowed on an interface.

              <layer2-unicast-replies>—Do not broadcast client responses.

              <no-arp>—Disable DHCP ARP table population.

              <trust-option-82>—Trust options-82 option.

**<overrides> (configuration/routing-instances/instance/system/services/dhcp-local-server)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;system&gt;         &lt;services&gt;           &lt;dhcp-local-server&gt;             &lt;overrides&gt;               &lt;interface-client-limit&gt;interface-client-limit&lt;/interface-client-limit&gt;               &lt;no-arp/&gt;               &lt;client-discover-match/&gt;             &lt;/overrides&gt;           &lt;/dhcp-local-server&gt;         &lt;/services&gt;       &lt;/system&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	DHCP override processing.
<b>Contents</b>	<p>&lt;client-discover-match&gt;—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.</p> <p>&lt;interface-client-limit&gt;—Limit the number of clients allowed on an interface.</p> <p>&lt;no-arp&gt;—Disable DHCP ARP table population.</p>

## **<overrides> (configuration/routing-instances/instance/system/services/dhcp-local-server/group)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <system>  
                           <services>  
                               <dhcp-local-server>  
                                   <group>  
                                       **<overrides>**  
   <interface-client-limit>*interface-client-limit*</interface-client-limit>  
   <no-arp/>  
   <client-discover-match/>  
                                       **</overrides>**  
                                   </group>  
                               </dhcp-local-server>  
                           </services>  
                       </system>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   DHCP override processing.

**Contents**   <client-discover-match>—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.

              <interface-client-limit>—Limit the number of clients allowed on an interface.

              <no-arp>—Disable DHCP ARP table population.

**<overrides> (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;overrides&gt;           &lt;interface-client-limit&gt;interface-client-limit&lt;/interface-client-limit&gt;           &lt;no-arp/&gt;           &lt;client-discover-match/&gt;         &lt;/overrides&gt;       &lt;/dhcp-local-server&gt;     &lt;/services&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP override processing.
<b>Contents</b>	<p>&lt;client-discover-match&gt;—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.</p> <p>&lt;interface-client-limit&gt;—Limit the number of clients allowed on an interface.</p> <p>&lt;no-arp&gt;—Disable DHCP ARP table population.</p>

**<overrides> (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;overrides&gt;             &lt;interface-client-limit&gt;interface-client-limit&lt;/interface-client-limit&gt;             &lt;no-arp/&gt;             &lt;client-discover-match/&gt;           &lt;/overrides&gt;         &lt;/group&gt;       &lt;/dhcp-local-server&gt;     &lt;/services&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP override processing.
<b>Contents</b>	<p>&lt;client-discover-match&gt;—Use option 60 and option 82 as secondary match criteria for DISCOVER PDU.</p> <p>&lt;interface-client-limit&gt;—Limit the number of clients allowed on an interface.</p> <p>&lt;no-arp&gt;—Disable DHCP ARP table population.</p>

