

Chapter 8

Tag Elements Beginning with H

This chapter lists the configuration tag elements that have names beginning with the letter *h*. 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.

<h248-options> (configuration/services/pgcp/gateway)

Usage	<pre><configuration> <services> <pgcp> <gateway> h248-options <service-change>...</service-change> <audit-observed-events-returns/> <encoding>...</encoding> </h248-options> </gateway> </pgcp> </services> </configuration></pre>
Description	No documentation is available yet.
Contents	<p><code><audit-observed-events-returns></code>—Activation of history buffer for audit observed events.</p> <p><code><encoding></code>—No documentation is available yet.</p> <p><code><service-change></code>—No documentation is available yet.</p>

<h248-properties> (configuration/services/pgcp/gateway)

Usage <configuration>
 <services>
 <pgcp>
 <gateway>
 <h248-properties>
 <base-root>...</base-root>
 <segmentation>...</segmentation>
 <diffserv>...</diffserv>
 <hanging-termination-detection>...</hanging-termination-detection>
 <traffic-management>...</traffic-management>
 <notification-behavior>...</notification-behavior>
 <application-data-inactivity-detection>...
 </application-data-inactivity-detection>
 <event-timestamp-notification>...</event-timestamp-notification>
 <inactivity-timer>...</inactivity-timer>
 </h248-properties>
 </gateway>
 </pgcp>
 </services>
 </configuration>

Description No documentation is available yet.

Contents <application-data-inactivity-detection>—Setting application data inactivity detection.

<base-root>—Setting H248 mg-mgc transaction time values.

<diffserv>—No documentation is available yet.

<event-timestamp-notification>—Setting event timestamp notification.

<hanging-termination-detection>—Enabling Hanging termination detection.

<inactivity-timer>—Default values for inactivity timeout.

<notification-behavior>—Setting of h248 Notify behavior values.

<segmentation>—No documentation is available yet.

<traffic-management>—Setting of h248 traffic management default values.

<h248-timers> (configuration/services/pgcp/gateway)

Usage	<pre> <configuration> <services> <pgcp> <gateway> <h248-timers> <maximum-waiting-delay>milliseconds</maximum-waiting-delay> <tmax-retransmission-delay>milliseconds</tmax-retransmission-delay> <initial-average-ack-delay>milliseconds</initial-average-ack-delay> <maximum-net-propagation-delay>milliseconds </maximum-net-propagation-delay> </h248-timers> </gateway> </pgcp> </services> </configuration> </pre>
Description	No documentation is available yet.
Contents	<p><initial-average-ack-delay>—Assumed initial average reply time (for retransmission rate) (I-AAD).</p> <p><maximum-net-propagation-delay>—Worst case network propagation delay (M-NPD), used for calculating LONG-TIMER.</p> <p><maximum-waiting-delay>—Randomly determined delay before retraversing PGC list (MWD).</p> <p><tmax-retransmission-delay>—Delay before PGC is considered down (T-MAX).</p>

<hanging-termination-detection> (configuration/services/pgcp/gateway/h248-properties)

Usage	<pre> <configuration> <services> <pgcp> <gateway> <h248-properties> <hanging-termination-detection> <timerx>seconds</timerx> </hanging-termination-detection> </h248-properties> </gateway> </pgcp> </services> </configuration> </pre>
Description	Enabling Hanging termination detection.
Contents	<timerx>—Setting timerx value.

<hash-key> (configuration/forwarding-options)

Usage	<pre><configuration> <forwarding-options> <hash-key> <family>...</family> </hash-key> </forwarding-options> </configuration></pre>
Description	Select data used in the hash key.
Contents	<family>—Protocol family.

<hash-key> (configuration/logical-systems/routing-instances/instance/forwarding-options)

Usage	<pre><configuration> <logical-systems> <routing-instances> <instance> <forwarding-options> <hash-key> <family>...</family> </hash-key> </forwarding-options> </instance> </routing-instances> </logical-systems> </configuration></pre>
Description	Select data used in the hash key.
Contents	<family>—Protocol family.

<hash-key> (configuration/routing-instances/instance/forwarding-options)

Usage	<pre> <configuration> <routing-instances> <instance> <forwarding-options> <hash-key> <family>...</family> </hash-key> </forwarding-options> </instance> </routing-instances> </configuration> </pre>
Description	Select data used in the hash key.
Contents	<family>—Protocol family.

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

Usage	<pre> <configuration> <services> <ggsn> <service-identification> <http-wsp-rule> <term> <from> <http> <header> <host>...</host> </header> </http> </from> </term> </http-wsp-rule> </service-identification> </ggsn> </services> </configuration> </pre>
Description	HTTP header options.
Contents	<host>—HTTP 'host' header settings.

<header-length> (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>
                      <header-length>
                        <match>match-choice</match>    <!-- mandatory -->
                        <value>value</value>          <!-- mandatory -->
                      </header-length>
                    </tcp>
                  </protocol>
                </signature>
              </attack-type>
            </member>
          </chain>
        </custom-attack>
      </idp>
    </security>
  </configuration>

```

Description Header Length in words.

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.

<header-length> (configuration/security/idp/custom-attack/attack-type/signature/protocol/tcp)

Usage

```

<configuration>
  <security>
    <idp>
      <custom-attack>
        <attack-type>
          <signature>
            <protocol>
              <tcp>
                <header-length>
                  <match>match-choice</match>    <!-- mandatory -->
                  <value>value</value>          <!-- mandatory -->
                </header-length>
              </tcp>
            </protocol>
          </signature>
        </attack-type>
      </custom-attack>
    </idp>
  </security>
</configuration>

```

Description Header Length in words.

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.

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

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <header-redirect-set>
 <name>name</name> <!-- identifier -->
 <cause>...</cause>
 </header-redirect-set>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Define a set of header redirect rules.

Contents <cause>—No documentation is available yet.

<name>—Name of header redirect set.

<header-rule> (configuration/services/ggsn/service-identification)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <header-rule>
 <name>name</name> <!-- identifier -->
 <term>...</term> <!-- mandatory -->
 </header-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Header rule.

Contents <name>—Rule name.

<term>—Define a service identification term.

<header-rule-set> (configuration/services/ggsn/service-identification)

Usage	<pre> <configuration> <services> <ggsn> <service-identification> <header-rule-set> <name>name</name> <!-- identifier --> <rule>...</rule> </header-rule-set> </service-identification> </ggsn> </services> </configuration> </pre>
Description	Define a set of header rules.
Contents	<p><name>—Name of the rule set.</p> <p><rule>—Rule to be included in this rule set.</p>

<header-rule-sets> (configuration/services/ggsn/service-set/service-identification)

Usage	<pre> <configuration> <services> <ggsn> <service-set> <service-identification> <header-rule-sets> <name>name</name> <!-- identifier --> </header-rule-sets> </service-identification> </service-set> </ggsn> </services> </configuration> </pre>
Description	List of service identification rule sets.
Contents	<name>—No documentation is available yet.

<health-monitor> (configuration/snmp)

Usage <configuration>
 <snmp>
 <health-monitor>
 <interval>seconds</interval>
 <rising-threshold>percent</rising-threshold>
 <falling-threshold>percent</falling-threshold>
 <idp>...</idp>
 </health-monitor>
 </snmp>
 </configuration>

Description Health monitoring configuration.

Contents <falling-threshold>—Falling threshold applied to all monitored objects.
 <idp>—IDP health monitor configuration.
 <interval>—Interval between samples.
 <rising-threshold>—Rising threshold applied to all monitored objects.

<helpers> (configuration/forwarding-options)

Usage <configuration>
 <forwarding-options>
 <helpers>
 <traceoptions>...</traceoptions>
 <domain>...</domain>
 <tftp>...</tftp>
 <bootp>...</bootp>
 <port>...</port>
 </helpers>
 </forwarding-options>
 </configuration>

Description Port forwarding configuration.

Contents <bootp>—Incoming BOOTP/DHCP request forwarding configuration.
 <domain>—Incoming DNS request forwarding configuration.
 <port>—Incoming arbitrary protocol request forwarding configuration.
 <tftp>—Incoming TFTP request forwarding configuration.
 <traceoptions>—Trace options for helper.

<helpers> (configuration/logical-systems/routing-instances/instance/forwarding-options)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <forwarding-options>
 <helpers>
 <traceoptions>...</traceoptions>
 <domain>...</domain>
 <tftp>...</tftp>
 <bootp>...</bootp>
 <port>...</port>
 </helpers>
 </forwarding-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Port forwarding configuration.

Contents <bootp>—Incoming BOOTP/DHCP request forwarding configuration.
 <domain>—Incoming DNS request forwarding configuration.
 <port>—Incoming arbitrary protocol request forwarding configuration.
 <tftp>—Incoming TFTP request forwarding configuration.
 <traceoptions>—Trace options for helper.

<helpers> (configuration/routing-instances/instance/forwarding-options)

Usage <configuration>
 <routing-instances>
 <instance>
 <forwarding-options>
 <helpers>
 <traceoptions>...</traceoptions>
 <domain>...</domain>
 <tftp>...</tftp>
 <bootp>...</bootp>
 <port>...</port>
 </helpers>
 </forwarding-options>
 </instance>
 </routing-instances>
 </configuration>

Description Port forwarding configuration.

Contents <bootp>—Incoming BOOTP/DHCP request forwarding configuration.
 <domain>—Incoming DNS request forwarding configuration.
 <port>—Incoming arbitrary protocol request forwarding configuration.
 <tftp>—Incoming TFTP request forwarding configuration.
 <traceoptions>—Trace options for helper.

<heuristic-rule> (configuration/services/ggsn/service-identification)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <heuristic-rule>
 <name>name</name> <!-- identifier -->
 <term>...</term> <!-- mandatory -->
 </heuristic-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Heuristic rule.

Contents <name>—Rule name.
 <term>—Define a service identification term.

<heuristic-rule-set> (configuration/services/ggsn/service-identification)

Usage	<pre> <configuration> <services> <ggsn> <service-identification> <heuristic-rule-set> <name>name</name> <!-- identifier --> <rule>...</rule> </heuristic-rule-set> </service-identification> </ggsn> </services> </configuration> </pre>
Description	Define a set of heuristic rules.
Contents	<p><name>—Name of the rule set.</p> <p><rule>—Rule to be included in this rule set.</p>

<heuristic-rule-sets> (configuration/services/ggsn/service-set/service-identification)

Usage	<pre> <configuration> <services> <ggsn> <service-set> <service-identification> <heuristic-rule-sets> <name>name</name> <!-- identifier --> </heuristic-rule-sets> </service-identification> </service-set> </ggsn> </services> </configuration> </pre>
Description	List of heuristic rule sets.
Contents	<name>—A heuristic rule set.

<hex> (configuration/services/mobile-ip/peer/ip-address/spi/key)

Usage <configuration>
 <services>
 <mobile-ip>
 <peer>
 <ip-address>
 <spi>
 <key>
 <hex>
 <hex-value>*hex-value*</hex-value>
 </hex>
 </key>
 </spi>
 </ip-address>
 </peer>
 </mobile-ip>
 </services>
 </configuration>

Description Hexadecimal string.

Contents <hex-value>—Hexadecimal string.

<hex> (configuration/services/mobile-ip/peer/nai/spi/key)

Usage <configuration>
 <services>
 <mobile-ip>
 <peer>
 <nai>
 <spi>
 <key>
 <hex>
 <hex-value>*hex-value*</hex-value>
 </hex>
 </key>
 </spi>
 </nai>
 </peer>
 </mobile-ip>
 </services>
 </configuration>

Description Hexadecimal string.

Contents <hex-value>—Hexadecimal string.

<hexadecimal> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/equals)

Usage <configuration>
 <bridge-domains>
 <domain>
 <forwarding-options>
 <dhcp-relay>
 <group>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </group>
 </dhcp-relay>
 </forwarding-options>
 </domain>
 </bridge-domains>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <bridge-domains>
    <domain>
      <forwarding-options>
        <dhcp-relay>
          <group>
            <relay-option-60>
              <vendor-option>
                <starts-with>
                  <hexadecimal>
                    <name>name</name>    <!-- identifier -->
                    <relay-server-group>relay-server-group</relay-server-group>
                    <local-server-group>local-server-group</local-server-group>
                    <drop/>
                  </hexadecimal>
                </starts-with>
              </vendor-option>
            </relay-option-60>
          </group>
        </dhcp-relay>
      </forwarding-options>
    </domain>
  </bridge-domains>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

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

Usage <configuration>
 <bridge-domains>
 <domain>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>name</name> <!-- identifier -->
 <relay-server-group>relay-server-group</relay-server-group>
 <local-server-group>local-server-group</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </domain>
 </bridge-domains>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <bridge-domains>
    <domain>
      <forwarding-options>
        <dhcp-relay>
          <relay-option-60>
            <vendor-option>
              <starts-with>
                <hexadecimal>
                  <name>name</name>    <!-- identifier -->
                  <relay-server-group>relay-server-group</relay-server-group>
                  <local-server-group>local-server-group</local-server-group>
                  <drop/>
                </hexadecimal>
              </starts-with>
            </vendor-option>
          </relay-option-60>
        </dhcp-relay>
      </forwarding-options>
    </domain>
  </bridge-domains>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option>equals)

Usage <configuration>
 <forwarding-options>
 <dhcp-relay>
 <group>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </group>
 </dhcp-relay>
 </forwarding-options>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <forwarding-options>
    <dhcp-relay>
      <group>
        <relay-option-60>
          <vendor-option>
            <starts-with>
              <hexadecimal>
                <name>name</name>    <!-- identifier -->
                <relay-server-group>relay-server-group</relay-server-group>
                <local-server-group>local-server-group</local-server-group>
                <drop/>
              </hexadecimal>
            </starts-with>
          </vendor-option>
        </relay-option-60>
      </group>
    </dhcp-relay>
  </forwarding-options>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/forwarding-options/dhcp-relay/relay-option-60/vendor-option>equals)

Usage <configuration>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/forwarding-options/dhcp-relay/relay-option-60/vendor-option/starts-with)

Usage <configuration>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <starts-with>
 <hexadecimal>
 <name>name</name> <!-- identifier -->
 <relay-server-group>relay-server-group</relay-server-group>
 <local-server-group>local-server-group</local-server-group>
 <drop/>
 </hexadecimal>
 </starts-with>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option>equals)

Usage <configuration>
 <logical-systems>
 <forwarding-options>
 <dhcp-relay>
 <group>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </group>
 </dhcp-relay>
 </forwarding-options>
 </logical-systems>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <logical-systems>
    <forwarding-options>
      <dhcp-relay>
        <group>
          <relay-option-60>
            <vendor-option>
              <starts-with>
                <hexadecimal>
                  <name>name</name>    <!-- identifier -->
                  <relay-server-group>relay-server-group</relay-server-group>
                  <local-server-group>local-server-group</local-server-group>
                  <drop/>
                </hexadecimal>
              </starts-with>
            </vendor-option>
          </relay-option-60>
        </group>
      </dhcp-relay>
    </forwarding-options>
  </logical-systems>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/forwarding-options/dhcp-relay/relay-option-60/vendor-option>equals)

Usage <configuration>
 <logical-systems>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
</logical-systems>
</configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/forwarding-options/dhcp-relay/relay-option-60/vendor-option/starts-with)

Usage <configuration>
 <logical-systems>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <starts-with>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </starts-with>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </logical-systems>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

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

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <bridge-domains>
 <domain>
 <forwarding-options>
 <dhcp-relay>
 <group>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*
 </relay-server-group>
 <local-server-group>*local-server-group*
 </local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </group>
 </dhcp-relay>
 </forwarding-options>
 </domain>
 </bridge-domains>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <bridge-domains>
          <domain>
            <forwarding-options>
              <dhcp-relay>
                <group>
                  <relay-option-60>
                    <vendor-option>
                      <starts-with>
                        <hexadecimal>
                          <name>name</name>    <!-- identifier -->
                          <relay-server-group>relay-server-group
                            </relay-server-group>
                          <local-server-group>local-server-group
                            </local-server-group>
                          <drop/>
                        </hexadecimal>
                      </starts-with>
                    </vendor-option>
                  </relay-option-60>
                </group>
              </dhcp-relay>
            </forwarding-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

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

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <bridge-domains>
 <domain>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </domain>
 </bridge-domains>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <bridge-domains>
          <domain>
            <forwarding-options>
              <dhcp-relay>
                <relay-option-60>
                  <vendor-option>
                    <starts-with>
                      <hexadecimal>
                        <name>name</name>    <!-- identifier -->
                        <relay-server-group>relay-server-group</relay-server-group>
                        <local-server-group>local-server-group</local-server-group>
                        <drop/>
                      </hexadecimal>
                    </starts-with>
                  </vendor-option>
                </relay-option-60>
              </dhcp-relay>
            </forwarding-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/routing-instances/instance/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/equals)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <forwarding-options>
 <dhcp-relay>
 <group>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </group>
 </dhcp-relay>
 </forwarding-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/routing-instances/instance/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <dhcp-relay>
            <group>
              <relay-option-60>
                <vendor-option>
                  <starts-with>
                    <hexadecimal>
                      <name>name</name>    <!-- identifier -->
                      <relay-server-group>relay-server-group</relay-server-group>
                      <local-server-group>local-server-group</local-server-group>
                      <drop/>
                    </hexadecimal>
                  </starts-with>
                </vendor-option>
              </relay-option-60>
            </group>
          </dhcp-relay>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/routing-instances/instance/forwarding-options/dhcp-relay/relay-option-60/vendor-option/equals)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/logical-systems/routing-instances/instance/forwarding-options/dhcp-relay/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <dhcp-relay>
            <relay-option-60>
              <vendor-option>
                <starts-with>
                  <hexadecimal>
                    <name>name</name>    <!-- identifier -->
                    <relay-server-group>relay-server-group</relay-server-group>
                    <local-server-group>local-server-group</local-server-group>
                    <drop/>
                  </hexadecimal>
                </starts-with>
              </vendor-option>
            </relay-option-60>
          </dhcp-relay>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

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

Usage <configuration>
 <routing-instances>
 <instance>
 <bridge-domains>
 <domain>
 <forwarding-options>
 <dhcp-relay>
 <group>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </group>
 </dhcp-relay>
 </forwarding-options>
 </domain>
 </bridge-domains>
 </instance>
 </routing-instances>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <bridge-domains>
        <domain>
          <forwarding-options>
            <dhcp-relay>
              <group>
                <relay-option-60>
                  <vendor-option>
                    <starts-with>
                      <hexadecimal>
                        <name>name</name>    <!-- identifier -->
                        <relay-server-group>relay-server-group</relay-server-group>
                        <local-server-group>local-server-group</local-server-group>
                        <drop/>
                      </hexadecimal>
                    </starts-with>
                  </vendor-option>
                </relay-option-60>
              </group>
            </dhcp-relay>
          </forwarding-options>
        </domain>
      </bridge-domains>
    </instance>
  </routing-instances>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/relay-option-60/vendor-option>equals)

Usage <configuration>
 <routing-instances>
 <instance>
 <bridge-domains>
 <domain>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </domain>
 </bridge-domains>
 </instance>
 </routing-instances>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/relay-option-60/vendor-option/starts-with)

Usage <configuration>
 <routing-instances>
 <instance>
 <bridge-domains>
 <domain>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <starts-with>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </starts-with>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </domain>
 </bridge-domains>
 </instance>
 </routing-instances>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/equals)

Usage <configuration>
 <routing-instances>
 <instance>
 <forwarding-options>
 <dhcp-relay>
 <group>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>*name*</name> <!-- identifier -->
 <relay-server-group>*relay-server-group*</relay-server-group>
 <local-server-group>*local-server-group*</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </group>
 </dhcp-relay>
 </forwarding-options>
 </instance>
 </routing-instances>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/group/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <dhcp-relay>
          <group>
            <relay-option-60>
              <vendor-option>
                <starts-with>
                  <hexadecimal>
                    <name>name</name>    <!-- identifier -->
                    <relay-server-group>relay-server-group</relay-server-group>
                    <local-server-group>local-server-group</local-server-group>
                    <drop/>
                  </hexadecimal>
                </starts-with>
              </vendor-option>
            </relay-option-60>
          </group>
        </dhcp-relay>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/relay-option-60/vendor-option/equals)

Usage <configuration>
 <routing-instances>
 <instance>
 <forwarding-options>
 <dhcp-relay>
 <relay-option-60>
 <vendor-option>
 <equals>
 <hexadecimal>
 <name>name</name> <!-- identifier -->
 <relay-server-group>relay-server-group</relay-server-group>
 <local-server-group>local-server-group</local-server-group>
 <drop/>
 </hexadecimal>
 </equals>
 </vendor-option>
 </relay-option-60>
 </dhcp-relay>
 </forwarding-options>
 </instance>
 </routing-instances>
 </configuration>

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

 <local-server-group>—Name of DHCP local server group when match is made.

 <name>—Hexadecimal string.

 <relay-server-group>—Name of DHCP relay server group when match is made.

<hexadecimal> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/relay-option-60/vendor-option/starts-with)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <dhcp-relay>
          <relay-option-60>
            <vendor-option>
              <starts-with>
                <hexadecimal>
                  <name>name</name>    <!-- identifier -->
                  <relay-server-group>relay-server-group</relay-server-group>
                  <local-server-group>local-server-group</local-server-group>
                  <drop/>
                </hexadecimal>
              </starts-with>
            </vendor-option>
          </relay-option-60>
        </dhcp-relay>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

Description Hexadecimal string.

Contents <drop>—Discard when a match is made.

<local-server-group>—Name of DHCP local server group when match is made.

<name>—Hexadecimal string.

<relay-server-group>—Name of DHCP relay server group when match is made.

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

Usage <configuration>
 <services>
 <nat>
 <pool>
 <pgcp>
 <hint>
 <name>*name*</name> <!-- identifier -->
 </hint>
 </pgcp>
 </pool>
 </nat>
 </services>
 </configuration>

Description NAT-hint list (Any string available up to 3 characters, not mandatory field).

Contents <name>—NAT-hint string list.

<history> (configuration/snmp/rmon)

Usage <configuration>
 <snmp>
 <rmon>
 <history>
 <name>*name*</name> <!-- identifier -->
 <interface>*interface*</interface> <!-- mandatory -->
 <bucket-size>*bucket-size*</bucket-size>
 <interval>*seconds*</interval>
 <owner>*owner*</owner>
 </history>
 </rmon>
 </snmp>
 </configuration>

Description RMON history entries.

Contents <bucket-size>—Requested buckets for the interface.

<interface>—Enable RMON on this interface.

<interval>—Interval between samples.

<name>—RMON history identifier.

<owner>—Owner name of the entry.

<hold-time> (configuration/dynamic-profiles/interfaces/interface)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Hold time for link up and link down.

Contents <down>—Link down hold time.
 <up>—Link up hold time.

<hold-time> (configuration/dynamic-profiles/interfaces/interface/container-options/redundancy)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <container-options>
 <redundancy>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </redundancy>
 </container-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Hold time for link up and link down.

Contents <down>—Link down hold time.
 <up>—Link up hold time.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <oc-lof>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </oc-lof>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <oc-lom>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </oc-lom>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <oc-los>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </oc-los>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <oc-wavelength-lock>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </oc-wavelength-lock>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-ais>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </odu-ais>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <odu-bdi>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </odu-bdi>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-lck>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </odu-lck>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <odu-oci>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </odu-oci>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-sd>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </odu-sd>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <odu-tca-bbe>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </odu-tca-bbe>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-tca-es>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </odu-tca-es>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <odu-tca-ses>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </odu-tca-ses>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-tca-uas>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </odu-tca-uas>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <odu-ttim>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </odu-ttim>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <opu-ptim>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </opu-ptim>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <otu-ais>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </otu-ais>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-bdi>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </otu-bdi>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <otu-fec-deg>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </otu-fec-deg>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-fec-exe>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </otu-fec-exe>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <otu-iae>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </otu-iae>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-sd>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </otu-sd>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <otu-tca-bbe>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </otu-tca-bbe>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-tca-es>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </otu-tca-es>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <otu-tca-ses>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </otu-tca-ses>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-tca-uas>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </otu-tca-uas>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <otn-options>
          <trigger>
            <otu-ttim>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </otu-ttim>
          </trigger>
        </otn-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/ais-l)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <ais-l>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </ais-l>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <ais-p>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </ais-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/ber-sd)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <ber-sd>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </ber-sd>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/ber-sf)

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <sonet-options>
          <trigger>
            <ber-sf>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </ber-sf>
          </trigger>
        </sonet-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/lcdp)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <lcdp>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </lcdp>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/locd)

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <sonet-options>
          <trigger>
            <locd>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </locd>
          </trigger>
        </sonet-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/lof)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <lof>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </lof>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/lol)

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <sonet-options>
          <trigger>
            <lol>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </lol>
          </trigger>
        </sonet-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/lop-p)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <lop-p>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </lop-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/los)

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <sonet-options>
          <trigger>
            <los>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </los>
          </trigger>
        </sonet-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/ interface/sonet-options/trigger/pll)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <pll>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </pll>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <sonet-options>
          <trigger>
            <plm-p>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </plm-p>
          </trigger>
        </sonet-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <rfi-l>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </rfi-l>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

 <up>—Delay before marking interface up when defect is absent.

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

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <sonet-options>
          <trigger>
            <rfi-p>
              <hold-time>
                <up>milliseconds</up>    <!-- mandatory -->
                <down>milliseconds</down>  <!-- mandatory -->
              </hold-time>
            </rfi-p>
          </trigger>
        </sonet-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger/uneq-p)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <uneq-p>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </uneq-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface)

Usage <configuration>
 <interfaces>
 <interface>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </interface>
 </interfaces>
 </configuration>

Description Hold time for link up and link down.

Contents <down>—Link down hold time.

<up>—Link up hold time.

<hold-time> (configuration/interfaces/interface/container-options/redundancy)

Usage <configuration>
 <interfaces>
 <interface>
 <container-options>
 <redundancy>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </redundancy>
 </container-options>
 </interface>
 </interfaces>
 </configuration>

Description Hold time for link up and link down.

Contents <down>—Link down hold time.

<up>—Link up hold time.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/oc-lof)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <oc-lof>
 <hold-time>
 <up>*milliseconds*</up> <!-- mandatory -->
 <down>*milliseconds*</down> <!-- mandatory -->
 </hold-time>
 </oc-lof>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/oc-lom)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <oc-lom>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </oc-lom>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/oc-los)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <oc-los>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </oc-los>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/oc-wavelength-lock)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <oc-wavelength-lock>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </oc-wavelength-lock>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-ais)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-ais>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-ais>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-bdi)

- Usage** `<configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-bdi>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-bdi>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
</configuration>`
- Description** Delay before marking interface up or down for defect.
- Contents** <down>—Delay before marking interface down when defect occurs.
 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-lck)

- Usage** `<configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-lck>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-lck>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
</configuration>`
- Description** Delay before marking interface up or down for defect.
- Contents** <down>—Delay before marking interface down when defect occurs.
 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-oci)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-oci>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-oci>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-sd)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-sd>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-sd>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-tca-bbe)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-tca-bbe>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-tca-bbe>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-tca-es)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-tca-es>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-tca-es>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-tca-ses)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-tca-ses>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-tca-ses>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-tca-uas)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-tca-uas>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-tca-uas>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/odu-ttim)

- Usage** <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <odu-ttim>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </odu-ttim>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>
- Description** Delay before marking interface up or down for defect.
- Contents** <down>—Delay before marking interface down when defect occurs.
 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/opu-ptim)

- Usage** <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <opu-ptim>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </opu-ptim>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>
- Description** Delay before marking interface up or down for defect.
- Contents** <down>—Delay before marking interface down when defect occurs.
 <up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-ais)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-ais>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-ais>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-bdi)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-bdi>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-bdi>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-fec-deg)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-fec-deg>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-fec-deg>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-fec-exe)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-fec-exe>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-fec-exe>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-iae)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-iae>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-iae>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-sd)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-sd>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-sd>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-tca-bbe)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-tca-bbe>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-tca-bbe>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-tca-es)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-tca-es>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-tca-es>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-tca-ses)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-tca-ses>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-tca-ses>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-tca-uas)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-tca-uas>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-tca-uas>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/otn-options/trigger/otu-ttim)

Usage <configuration>
 <interfaces>
 <interface>
 <otn-options>
 <trigger>
 <otu-ttim>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </otu-ttim>
 </trigger>
 </otn-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/ais-l)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <ais-l>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </ais-l>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/ais-p)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <ais-p>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </ais-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/ber-sd)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <ber-sd>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </ber-sd>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/ber-sf)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <ber-sf>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </ber-sf>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/lcdp)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <lcdp>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </lcdp>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/locd)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <locd>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </locd>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/lof)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <lof>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </lof>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/lo1)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <lo1>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </lo1>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/lop-p)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <lop-p>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </lop-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/los)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <los>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </los>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

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

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <pll>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </pll>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/plm-p)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <plm-p>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </plm-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/rfi-l)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <rfi-l>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </rfi-l>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/rfi-p)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <rfi-p>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </rfi-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<hold-time> (configuration/interfaces/interface/sonet-options/trigger/uneq-p)

Usage <configuration>
 <interfaces>
 <interface>
 <sonet-options>
 <trigger>
 <uneq-p>
 <hold-time>
 <up>milliseconds</up> <!-- mandatory -->
 <down>milliseconds</down> <!-- mandatory -->
 </hold-time>
 </uneq-p>
 </trigger>
 </sonet-options>
 </interface>
 </interfaces>
 </configuration>

Description Delay before marking interface up or down for defect.

Contents <down>—Delay before marking interface down when defect occurs.

<up>—Delay before marking interface up when defect is absent.

<home-agent> (configuration/services/mobile-ip)

- Usage** `<configuration>`
 `<services>`
 `<mobile-ip>`
 <home-agent>
 `<virtual-network>...</virtual-network>`
 `<enable-service>...</enable-service>`
 `<pool-match-order>...</pool-match-order>`
 </home-agent>
 `</mobile-ip>`
 `</services>`
`</configuration>`
- Description** Configure home agent.
- Contents** `<enable-service>`—List of interfaces on which home agent service will be enabled.
 `<pool-match-order>`—Define order of attribute matching for pool selection.
 `<virtual-network>`—Virtual Network home-agent address.

<home-agent> (configuration/services/mobile-ip/dynamic-home-assignment)

- Usage** `<configuration>`
 `<services>`
 `<mobile-ip>`
 `<dynamic-home-assignment>`
 <home-agent>
 `<nai>...</nai>`
 </home-agent>
 `</dynamic-home-assignment>`
 `</mobile-ip>`
 `</services>`
`</configuration>`
- Description** Enter the host nai or domain.
- Contents** `<nai>`—Nai of the host.

<home-agent-address> (configuration/services/mobile-ip/home-agent/virtual-network)

Usage <configuration>
 <services>
 <mobile-ip>
 <home-agent>
 <virtual-network>
 <home-agent-address>
 <name>*name*</name> <!-- identifier -->
 <registration-lifetime>*registration-lifetime*</registration-lifetime>
 <timestamp-tolerance>*timestamp-tolerance*</timestamp-tolerance>
 <starting-ip-address>*starting-ip-address*</starting-ip-address>
 <ending-ip-address>*ending-ip-address*</ending-ip-address>
 <revocation-required/>
 </home-agent-address>
 </virtual-network>
 </home-agent>
 </mobile-ip>
 </services>
</configuration>

Description Select home-agent virtual IP address.

Contents <ending-ip-address>—Ending IP address of the pool.

<name>—Loopback IP address.

<registration-lifetime>—Maximum registration lifetime.

<revocation-required>—Registration Revocation is mandatory.

<starting-ip-address>—Starting IP address of the pool.

<timestamp-tolerance>—Maximum timestamp tolerance.

<host> (configuration/access/address-assignment/pool/family/inet)

Usage <configuration>
 <access>
 <address-assignment>
 <pool>
 <family>
 <inet>
 <host>
 <name>*name*</name> <!-- identifier -->
 <hardware-address>*hardware-address*
 </hardware-address> <!-- mandatory -->
 <ip-address>*ip-address*</ip-address> <!-- mandatory -->
 </host>
 </inet>
 </family>
 </pool>
 </address-assignment>
 </access>
 </configuration>

Description Hostname for static reservations.

Contents <hardware-address>—Hardware address.

 <ip-address>—Reserved address.

 <name>—Hostname.

<host> (configuration/dynamic-profiles/interfaces/interface/services-options/syslog)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <services-options>
 <syslog>
 <host>
 <name>name</name> <!-- identifier -->
 <contents>...</contents>
 <facility-override>facility-override-choice</facility-override>
 <log-prefix>log-prefix</log-prefix>
 </host>
 </syslog>
 </services-options>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description No documentation is available yet.

Contents <contents>—No documentation is available yet.

<facility-override>—Alternate facility for logging to remote host.

- authorization—Authorization system.
- daemon—Various system processes.
- ftp—FTP process.
- kernel—Kernel.
- local0—Local logging option number 0.
- local1—Local logging option number 1.
- local2—Local logging option number 2.
- local3—Local logging option number 3.
- local4—Local logging option number 4.
- local5—Local logging option number 5.
- local6—Local logging option number 6.

- `local7`—Local logging option number 7.

- `user`—User processes.

`<log-prefix>`—Prefix for all logging to this host.

`<name>`—Name of host to notify.

<host> (configuration/interfaces/interface/services-options/syslog)

Usage <configuration>
 <interfaces>
 <interface>
 <services-options>
 <syslog>
 <host>
 <name>*name*</name> <!-- identifier -->
 <contents>...</contents>
 <facility-override>*facility-override-choice*</facility-override>
 <log-prefix>*log-prefix*</log-prefix>
 </host>
 </syslog>
 </services-options>
 </interface>
 </interfaces>
 </configuration>

Description No documentation is available yet.

Contents <contents>—No documentation is available yet.

<facility-override>—Alternate facility for logging to remote host.

- authorization—Authorization system.
- daemon—Various system processes.
- ftp—FTP process.
- kernel—Kernel.
- local0—Local logging option number 0.
- local1—Local logging option number 1.
- local2—Local logging option number 2.
- local3—Local logging option number 3.
- local4—Local logging option number 4.
- local5—Local logging option number 5.
- local6—Local logging option number 6.
- local7—Local logging option number 7.
- user—User processes.

<log-prefix>—Prefix for all logging to this host.

<name>—Name of host to notify.

<host> (configuration/logical-systems/access/address-assignment/pool/family/inet)

Usage <configuration>
 <logical-systems>
 <access>
 <address-assignment>
 <pool>
 <family>
 <inet>
 <host>
 <name>*name*</name> <!-- identifier -->
 <hardware-address>*hardware-address*
 </hardware-address> <!-- mandatory -->
 <ip-address>*ip-address*</ip-address> <!-- mandatory -->
 </host>
 </inet>
 </family>
 </pool>
 </address-assignment>
 </access>
 </logical-systems>
 </configuration>

Description Hostname for static reservations.

Contents <hardware-address>—Hardware address.

 <ip-address>—Reserved address.

 <name>—Hostname.

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

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <access>
          <address-assignment>
            <pool>
              <family>
                <inet>
                  <host>
                    <name>name</name>    <!-- identifier -->
                    <hardware-address>hardware-address
                      </hardware-address>    <!-- mandatory -->
                    <ip-address>ip-address</ip-address>    <!-- mandatory -->
                  </host>
                </inet>
              </family>
            </pool>
          </address-assignment>
        </access>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Hostname for static reservations.

Contents <hardware-address>—Hardware address.

<ip-address>—Reserved address.

<name>—Hostname.

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

Usage <configuration>
 <routing-instances>
 <instance>
 <access>
 <address-assignment>
 <pool>
 <family>
 <inet>
 <host>
 <name>*name*</name> <!-- identifier -->
 <hardware-address>*hardware-address*
 </hardware-address> <!-- mandatory -->
 <ip-address>*ip-address*</ip-address> <!-- mandatory -->
 </host>
 </inet>
 </family>
 </pool>
 </address-assignment>
 </access>
 </instance>
 </routing-instances>
 </configuration>

Description Hostname for static reservations.

Contents <hardware-address>—Hardware address.

 <ip-address>—Reserved address.

 <name>—Hostname.

<host> (configuration/security/ssh-known-hosts)

Usage <configuration>
 <security>
 <ssh-known-hosts>
 <host>
 <name>*name*</name> <!-- identifier -->
 <rsa1-key>*rsa1-key*</rsa1-key>
 <rsa-key>*rsa-key*</rsa-key>
 <dsa-key>*dsa-key*</dsa-key>
 </host>
 </ssh-known-hosts>
 </security>
 </configuration>

Description SSH known host entry.

Contents <dsa-key>—Base64 encoded DSA key.

 <name>—Host name.

 <rsa-key>—Base64 encoded RSA key.

 <rsa1-key>—Base64 encoded RSA key (protocol version 1).

<host> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/header)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <http-wsp-rule>
 <term>
 <from>
 <http>
 <header>
 <host>
 <is>*is*</is>
 <not-is>...</not-is>
 <starts-with>*starts-with*</starts-with>
 <not-starts-with>...</not-starts-with>
 <ends-with>*ends-with*</ends-with>
 <not-ends-with>...</not-ends-with>
 <contains>...</contains>
 <not-contains>...</not-contains>
 <case/>
 </host>
 </header>
 </http>
 </from>
 </term>
 </http-wsp-rule>
 </service-identification>
 </ggsn>
</services>
</configuration>

Description HTTP 'host' header settings.

Contents <case>—Consider case while processing.
 <contains>—Matches a substring.
 <ends-with>—End matches.
 <is>—Exact match.
 <not-contains>—Doesn't match a substring.
 <not-ends-with>—End doesn't match.
 <not-is>—Exclude exact match.
 <not-starts-with>—Beginning doesn't match.
 <starts-with>—Beginning matches.

<host> (configuration/services/l2tp/tunnel-group/syslog)

Usage <configuration>
 <services>
 <l2tp>
 <tunnel-group>
 <syslog>
 <host>
 <name>*name*</name> <!-- identifier -->
 <contents>...</contents>
 <facility-override>*facility-override-choice*</facility-override>
 <log-prefix>*log-prefix*</log-prefix>
 </host>
 </syslog>
 </tunnel-group>
 </l2tp>
 </services>
</configuration>

Description No documentation is available yet.

Contents <contents>—No documentation is available yet.

<facility-override>—Alternate facility for logging to remote host.

- authorization—Authorization system.
- daemon—Various system processes.
- ftp—FTP process.
- kernel—Kernel.
- local0—Local logging option number 0.
- local1—Local logging option number 1.
- local2—Local logging option number 2.
- local3—Local logging option number 3.
- local4—Local logging option number 4.
- local5—Local logging option number 5.
- local6—Local logging option number 6.
- local7—Local logging option number 7.
- user—User processes.

<log-prefix>—Prefix for all logging to this host.

<name>—Name of host to notify.

<host> (configuration/services/service-set/syslog)

Usage <configuration>
 <services>
 <service-set>
 <syslog>
 <host>
 <name>name</name> <!-- identifier -->
 <contents>...</contents>
 <facility-override>facility-override-choice</facility-override>
 <log-prefix>log-prefix</log-prefix>
 </host>
 </syslog>
 </service-set>
 </services>
 </configuration>

Description No documentation is available yet.

Contents <contents>—No documentation is available yet.

<facility-override>—Alternate facility for logging to remote host.

- authorization—Authorization system.
- daemon—Various system processes.
- ftp—FTP process.
- kernel—Kernel.
- local0—Local logging option number 0.
- local1—Local logging option number 1.
- local2—Local logging option number 2.
- local3—Local logging option number 3.
- local4—Local logging option number 4.
- local5—Local logging option number 5.
- local6—Local logging option number 6.
- local7—Local logging option number 7.
- user—User processes.

<log-prefix>—Prefix for all logging to this host.

<name>—Name of host to notify.

<host> (configuration/system/syslog)

Usage <configuration>
 <system>
 <syslog>
 <host>
 <name>*name*</name> <!-- identifier -->
 <contents>...</contents>
 <match>*match*</match>
 <facility-override>*facility-override-choice*</facility-override>
 <log-prefix>*log-prefix*</log-prefix>
 <source-address>*source-address*</source-address>
 <explicit-priority/>
 </host>
 </syslog>
 </system>
 </configuration>

Description Host to be notified.

Contents <contents>—No documentation is available yet.

<explicit-priority>—Include priority and facility in messages.

<facility-override>—Alternate facility for logging to remote host.

- authorization—Authorization system.
- daemon—Various system processes.
- ftp—FTP process.
- kernel—Kernel.
- local0—Local logging option number 0.
- local1—Local logging option number 1.
- local2—Local logging option number 2.
- local3—Local logging option number 3.
- local4—Local logging option number 4.
- local5—Local logging option number 5.
- local6—Local logging option number 6.
- local7—Local logging option number 7.
- user—User processes.

<log-prefix>—Prefix for all logging to this host.

<match>—Regular expression for lines to be logged.

<name>—Name of host to notify.

- log-host-name—Host to be notified.
- other-routing-engine—Send to log file on other Routing Engine.
- scc-master—Send to log file on SCC master.

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

<host-outbound-traffic> (configuration/class-of-service)

Usage <configuration>
 <class-of-service>
 <host-outbound-traffic>
 <forwarding-class>*forwarding-class*</forwarding-class>
 <dscp-code-point>*dscp-code-point*</dscp-code-point>
 <translation-table>...</translation-table>
 </host-outbound-traffic>
 </class-of-service>
 </configuration>

Description Classify and mark host traffic to forwarding engine.

Contents <dscp-code-point>—Static DSCP code point of egress host traffic.
 <forwarding-class>—Classification of host traffic to forwarding engine.
 <translation-table>—Translation table for host outbound packets.

<host-outbound-traffic> (configuration/dynamic-profiles/class-of-service)

Usage <configuration>
 <dynamic-profiles>
 <class-of-service>
 <host-outbound-traffic>
 <forwarding-class>*forwarding-class*</forwarding-class>
 <dscp-code-point>*dscp-code-point*</dscp-code-point>
 <translation-table>...</translation-table>
 </host-outbound-traffic>
 </class-of-service>
 </dynamic-profiles>
 </configuration>

Description Classify and mark host traffic to forwarding engine.

Contents <dscp-code-point>—Static DSCP code point of egress host traffic.
 <forwarding-class>—Classification of host traffic to forwarding engine.
 <translation-table>—Translation table for host outbound packets.

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

Usage

```
<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <operation>...</operation>
                <header>...</header>
                <content-type>...</content-type>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>
```

Description Match HTTP sessions.

Contents

- <content-type>—Content type contained in http body.
- <header>—HTTP header options.
- <operation>—Limit match to operation being performed.

<http> (configuration/system/services/web-management)

Usage

```
<configuration>
  <system>
    <services>
      <web-management>
        <http>
          <port>port</port>
          <interface>...</interface>
        </http>
      </web-management>
    </services>
  </system>
</configuration>
```

Description Unencrypted HTTP connection settings.

Contents

- <interface>—Interfaces that accept HTTP access.
- <port>—TCP port for incoming HTTP connections.

<http-wsp-rule> (configuration/services/ggsn/service-identification)

Usage	<pre> <configuration> <services> <ggsn> <service-identification> <http-wsp-rule> <name>name</name> <!-- identifier --> <term>...</term> <!-- mandatory --> </http-wsp-rule> </service-identification> </ggsn> </services> </configuration> </pre>
Description	HTTP WSP rule.
Contents	<p><name>—Rule name.</p> <p><term>—Define a service identification term.</p>

<http-wsp-rule-set> (configuration/services/ggsn/service-identification)

Usage	<pre> <configuration> <services> <ggsn> <service-identification> <http-wsp-rule-set> <name>name</name> <!-- identifier --> <rule>...</rule> </http-wsp-rule-set> </service-identification> </ggsn> </services> </configuration> </pre>
Description	Define a set of URI rules.
Contents	<p><name>—Name of the rule set.</p> <p><rule>—Rule to be included in this rule set.</p>

<https> (configuration/system/services/web-management)

Usage <configuration>
 <system>
 <services>
 <web-management>
 <https>
 <port>*port*</port>
 <local-certificate>*local-certificate*</local-certificate>
 <pki-local-certificate>*pki-local-certificate*</pki-local-certificate>
 <system-generated-certificate/>
 <interface>...</interface>
 </https>
 </web-management>
 </services>
 </system>
 </configuration>

Description Encrypted HTTPS connections.

Contents <interface>—Interfaces that accept HTTPS access.

<local-certificate>—X.509 certificate to use (from configuration).

<pki-local-certificate>—X.509 certificate to use (from PKI local store).

<port>—TCP port for incoming HTTPS connections.

<system-generated-certificate>—X.509 certificate generated automatically by system.