

Chapter 14

Tag Elements Beginning with N

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

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



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

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

Usage	<pre><configuration> <services> <mobile-ip> <dynamic-home-assignment> <home-agent> <nai> <name>name</name> <!-- identifier --> <home-agent>home-agent</home-agent> </nai> </home-agent> </dynamic-home-assignment> </mobile-ip> </services> </configuration></pre>
Description	Nai of the host.
Contents	<p><code><home-agent></code>—Enter home-agent.</p> <p><code><name></code>—Nai string of type name@domain or @domain.</p>

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

Usage <configuration>
 <services>
 <mobile-ip>
 <peer>
 <nai>
 <name>name</name> <!-- identifier -->
 <spi>...</spi>
 </nai>
 </peer>
 </mobile-ip>
 </services>
 </configuration>

Description Remote peer's network access identifier.

Contents <name>—Nai string of type name@domain.
 <spi>—Security parameter index.

<name-server> (configuration/access/address-assignment/pool/family/inet/dhcp-attributes)

Usage <configuration>
 <access>
 <address-assignment>
 <pool>
 <family>
 <inet>
 <dhcp-attributes>
 <name-server>
 <name>name</name> <!-- identifier -->
 </name-server>
 </dhcp-attributes>
 </inet>
 </family>
 </pool>
 </address-assignment>
 </access>
 </configuration>

Description Domain name servers available to the client.

Contents <name>—DNS server's IPv4 address.

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

Usage <configuration>
 <logical-systems>
 <access>
 <address-assignment>
 <pool>
 <family>
 <inet>
 <dhcp-attributes>
 <name-server>
 <name>name</name> <!-- identifier -->
 </name-server>
 </dhcp-attributes>
 </inet>
 </family>
 </pool>
 </address-assignment>
 </access>
 </logical-systems>
 </configuration>

Description Domain name servers available to the client.

Contents <name>—DNS server's IPv4 address.

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

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <access>
          <address-assignment>
            <pool>
              <family>
                <inet>
                  <dhcp-attributes>
                    <name-server>
                      <name>name</name>    <!-- identifier -->
                    </name-server>
                  </dhcp-attributes>
                </inet>
              </family>
            </pool>
          </address-assignment>
        </access>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Domain name servers available to the client.

Contents <name>—DNS server's IPv4 address.

<name-server> (configuration/routing-instances/instance/access/address-assignment/pool/family/inet/dhcp-attributes)

Usage `<configuration>
 <routing-instances>
 <instance>
 <access>
 <address-assignment>
 <pool>
 <family>
 <inet>
 <dhcp-attributes>
 <name-server>
 <name>name</name> <!-- identifier -->
 </name-server>
 </dhcp-attributes>
 </inet>
 </family>
 </pool>
 </address-assignment>
 </access>
 </instance>
 </routing-instances>
</configuration>`

Description Domain name servers available to the client.

Contents <name>—DNS server's IPv4 address.

<name-server> (configuration/services/ggsn/apn)

Usage `<configuration>
 <services>
 <ggsn>
 <apn>
 <name-server>
 <name>name</name> <!-- identifier -->
 </name-server>
 </apn>
 </ggsn>
 </services>
</configuration>`

Description IPv4 DNS name server.

Contents <name>—IPv4 DNS name server address.

<name-server> (configuration/system)

Usage `<configuration>
 <system>
 <name-server>
 <name>name</name> <!-- identifier -->
 </name-server>
 </system>
</configuration>`

Description DNS name servers.

Contents `<name>`—DNS name server address.

<name-server> (configuration/system/services/dhcp)

Usage `<configuration>
 <system>
 <services>
 <dhcp>
 <name-server>
 <name>name</name> <!-- identifier -->
 </name-server>
 </dhcp>
 </services>
 </system>
</configuration>`

Description Domain name servers available to the client.

Contents `<name>`—DNS server's IPv4 address.

<name-server> (configuration/system/services/dhcp/pool)

Usage `<configuration>
 <system>
 <services>
 <dhcp>
 <pool>
 <name-server>
 <name>name</name> <!-- identifier -->
 </name-server>
 </pool>
 </dhcp>
 </services>
 </system>
</configuration>`

Description Domain name servers available to the client.

Contents `<name>`—DNS server's IPv4 address.

<name-server> (configuration/system/services/dhcp/static-binding)

Usage <configuration>
 <system>
 <services>
 <dhcp>
 <static-binding>
 <name-server>
 <name>*name*</name> <!-- identifier -->
 </name-server>
 </static-binding>
 </dhcp>
 </services>
 </system>
 </configuration>

Description Domain name servers available to the client.

Contents <name>—DNS server's IPv4 address.

<nas-identifier> (configuration/access/profile/radius/attributes/exclude)

Usage <configuration>
 <access>
 <profile>
 <radius>
 <attributes>
 <exclude>
 <nas-identifier>
 <name>*name*</name> <!-- identifier -->
 </nas-identifier>
 </exclude>
 </attributes>
 </radius>
 </profile>
 </access>
 </configuration>

Description Excludes RADIUS attribute 32, NAS-identifier.

Contents <name>—Excludes RADIUS attribute 32, NAS-identifier.

- access-request—RADIUS Access-Request message.
- accounting-off—RADIUS Accounting-Off message.
- accounting-on—RADIUS Accounting-On Message.
- accounting-start—RADIUS Accounting-Start message.
- accounting-stop—RADIUS Accounting-Stop message.

<nas-port> (configuration/access/profile/radius/attributes/exclude)

Usage <configuration>
 <access>
 <profile>
 <radius>
 <attributes>
 <exclude>
 <nas-port>
 <name>name</name> <!-- identifier -->
 </nas-port>
 </exclude>
 </attributes>
 </radius>
 </profile>
 </access>
 </configuration>

Description Excludes RADIUS attribute 5, NAS-Port.

Contents <name>—Excludes RADIUS attribute 5, NAS-Port.

- access-request—RADIUS Access-Request message.
- accounting-start—RADIUS Accounting-Start message.
- accounting-stop—RADIUS Accounting-Stop message.

<nas-port-extended-format> (configuration/access/profile/radius/options)

Usage <configuration>
 <access>
 <profile>
 <radius>
 <options>
 <nas-port-extended-format>
 <slot-width>*bits*</slot-width>
 <adapter-width>*bits*</adapter-width>
 <port-width>*bits*</port-width>
 <stacked-vlan-width>*bits*</stacked-vlan-width>
 <vlan-width>*bits*</vlan-width>
 </nas-port-extended-format>
 </options>
 </radius>
 </profile>
 </access>
 </configuration>

Description RADIUS client's use of an extended format for RADIUS attribute 5.

Contents <adapter-width>—Number of bits for the adapter field.

<port-width>—Number of bits for the port field.

<slot-width>—Number of bits for the slot field.

<stacked-vlan-width>—Number of bits for the S-VLAN subinterface field.

<vlan-width>—Number of bits for the VLAN subinterface field.

<nas-port-id> (configuration/access/profile/radius/attributes/exclude)

Usage <configuration>
 <access>
 <profile>
 <radius>
 <attributes>
 <exclude>
 <nas-port-id>
 <name>name</name> <!-- identifier -->
 </nas-port-id>
 </exclude>
 </attributes>
 </radius>
 </profile>
 </access>
 </configuration>

Description Excludes RADIUS attribute 87, NAS-Port-ID.

Contents <name>—Excludes RADIUS attribute 87, NAS-Port-ID.

- access-request—RADIUS Access-Request message.
- accounting-start—RADIUS Accounting-Start message.
- accounting-stop—RADIUS Accounting-Stop message.

<nas-port-type> (configuration/access/profile/radius/attributes/exclude)

Usage	<pre> <configuration> <access> <profile> <radius> <attributes> <exclude> <nas-port-type> <name>name</name> <!-- identifier --> </nas-port-type> </exclude> </attributes> </radius> </profile> </access> </configuration> </pre>
Description	Excludes RADIUS attribute 61, NAS-Port-Type.
Contents	<p><name>—Excludes RADIUS attribute 61, NAS-Port-Type.</p> <ul style="list-style-type: none"> ■ access-request—RADIUS Access-Request message. ■ accounting-start—RADIUS Accounting-Start message. ■ accounting-stop—RADIUS Accounting-Stop message.

<nat> (configuration/services)

Usage	<pre> <configuration> <services> <nat> <pool>...</pool> <ipv6-multicast-interfaces>...</ipv6-multicast-interfaces> <rule>...</rule> <rule-set>...</rule-set> </nat> </services> </configuration> </pre>
Description	Configure Network Address Translation.
Contents	<p><ipv6-multicast-interfaces>—Enable IPv6 multicast filter for IPv6 NAT.</p> <p><pool>—Define a NAT pool.</p> <p><rule>—Define a NAT rule.</p> <p><rule-set>—Defines a set of NAT rules.</p>

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

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

<nat-rules> (configuration/services/service-set)

Usage	<pre><configuration> <services> <service-set> <nat-rules> <name>name</name> <!-- identifier --> </nat-rules> </service-set> </services> </configuration></pre>
Description	List of NAT rules.
Contents	<name>—No documentation is available yet.

<ndp> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet6/address)

Usage

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet6>
              <address>
                <ndp>
                  <name>name</name>    <!-- identifier -->
                  <l2-interface>l2-interface</l2-interface>
                  <mac>mac</mac>
                  <multicast-mac>multicast-mac</multicast-mac>
                  <publish/>
                </ndp>
              </address>
            </inet6>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

Description Static Neighbor Discovery Protocol entries.

Contents <l2-interface>—Layer 2 interface name for NDP entry.

<mac>—MAC address.

<multicast-mac>—Multicast MAC address.

<name>—Destination IP address.

<publish>—Reply to NDP requests for this entry.

<ndp> (configuration/interfaces/interface/unit/family/inet6/address)

Usage

```

<configuration>
  <interfaces>
    <interface>
      <unit>
        <family>
          <inet6>
            <address>
              <ndp>
                <name>name</name>    <!-- identifier -->
                <l2-interface>l2-interface</l2-interface>
                <mac>mac</mac>
                <multicast-mac>multicast-mac</multicast-mac>
                <publish/>
              </ndp>
            </address>
          </inet6>
        </family>
      </unit>
    </interface>
  </interfaces>
</configuration>

```

Description Static Neighbor Discovery Protocol entries.

Contents <l2-interface>—Layer 2 interface name for NDP entry.

<mac>—MAC address.

<multicast-mac>—Multicast MAC address.

<name>—Destination IP address.

<publish>—Reply to NDP requests for this entry.

<ndp> (configuration/logical-systems/interfaces/interface/unit/family/inet6/address)

Usage

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet6>
              <address>
                <ndp>
                  <name>name</name>    <!-- identifier -->
                  <l2-interface>l2-interface</l2-interface>
                  <mac>mac</mac>
                  <multicast-mac>multicast-mac</multicast-mac>
                  <publish/>
                </ndp>
              </address>
            </inet6>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

Description Static Neighbor Discovery Protocol entries.

Contents <l2-interface>—Layer 2 interface name for NDP entry.

<mac>—MAC address.

<multicast-mac>—Multicast MAC address.

<name>—Destination IP address.

<publish>—Reply to NDP requests for this entry.

<negotiation-options> (configuration/logical-systems/protocols/oam/ethernet/link-fault-management/interface)

Usage <configuration>
 <logical-systems>
 <protocols>
 <oam>
 <ethernet>
 <link-fault-management>
 <interface>
 <negotiation-options>
 <no-allow-link-events/>
 <allow-remote-loopback/>
 </negotiation-options>
 </interface>
 </link-fault-management>
 </ethernet>
 </oam>
 </protocols>
 </logical-systems>
 </configuration>

Description 802.3ah features supported on the interface.

Contents <allow-remote-loopback>—Allow local port to be put into loopback mode.
 <no-allow-link-events>—Do not emit periodic PDUs detailing framing and symbol errors.

<negotiation-options> (configuration/protocols/oam/ethernet/link-fault-management/interface)

Usage <configuration>
 <protocols>
 <oam>
 <ethernet>
 <link-fault-management>
 <interface>
 <negotiation-options>
 <no-allow-link-events/>
 <allow-remote-loopback/>
 </negotiation-options>
 </interface>
 </link-fault-management>
 </ethernet>
 </oam>
 </protocols>
 </configuration>

Description 802.3ah features supported on the interface.

Contents <allow-remote-loopback>—Allow local port to be put into loopback mode.
 <no-allow-link-events>—Do not emit periodic PDUs detailing framing and symbol errors.

<neighbor> (configuration/logical-systems/policy-options/policy-statement/from)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <from>
 <neighbor>
 <name>name</name> <!-- identifier -->
 </neighbor>
 </from>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Neighboring router.

Contents <name>—Neighboring router.

<neighbor> (configuration/logical-systems/policy-options/policy-statement/term/from)

Usage	<pre> <configuration> <logical-systems> <policy-options> <policy-statement> <term> <from> <neighbor> <name>name</name> <!-- identifier --> </neighbor> </from> </term> </policy-statement> </policy-options> </logical-systems> </configuration> </pre>
Description	Neighboring router.
Contents	<name>—Neighboring router.

<neighbor> (configuration/logical-systems/policy-options/policy-statement/term/to)

Usage	<pre> <configuration> <logical-systems> <policy-options> <policy-statement> <term> <to> <neighbor> <name>name</name> <!-- identifier --> </neighbor> </to> </term> </policy-statement> </policy-options> </logical-systems> </configuration> </pre>
Description	Neighboring router.
Contents	<name>—Neighboring router.

<neighbor> (configuration/logical-systems/policy-options/policy-statement/to)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <to>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 </neighbor>
 </to>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Neighboring router.

Contents <name>—Neighboring router.

<neighbor> (configuration/logical-systems/protocols/bgp/group)

```

Usage  <configuration>
      <logical-systems>
      <protocols>
      <bgp>
      <group>
      <neighbor>
        <name>name</name>    <!-- identifier -->
        <traceoptions>...</traceoptions>
        <description>description</description>
        <metric-out>...</metric-out>
        <multihop>...</multihop>
        <accept-remote-nexthop/>
        <preference>preference</preference>
        <local-preference>local-preference</local-preference>
        <local-address>local-address</local-address>
        <local-interface>local-interface</local-interface>
        <hold-time>hold-time</hold-time>
        <passive/>
        <advertise-inactive/>
        <advertise-peer-as/>
        <advertise-external>...</advertise-external>
        <keep>keep-choice</keep>
        <no-aggregator-id/>
        <mtu-discovery/>
        <out-delay>out-delay</out-delay>
        <log-updown/>
        <damping/>
        <import>...</import>
        <family>...</family>
        <authentication-key>authentication-key</authentication-key>
        <authentication-algorithm>authentication-algorithm-choice
          </authentication-algorithm>
        <authentication-key-chain>authentication-key-chain
          </authentication-key-chain>
        <export>...</export>
        <vpn-apply-export/>
        <remove-private/>
        <cluster>cluster</cluster>
        <no-client-reflect/>
        <peer-as>peer-as</peer-as>
        <local-as>...</local-as>
        <ipsec-sa>ipsec-sa</ipsec-sa>
        <graceful-restart>...</graceful-restart>
        <include-mp-next-hop/>
        <outbound-route-filter>...</outbound-route-filter>
        <tcp-mss>tcp-mss</tcp-mss>
        <bfd-liveness-detection>...</bfd-liveness-detection>
        <multipath>...</multipath>
        <as-override/>
      </neighbor>
    </group>
  </bgp>

```

```

    </protocols>
  </logical-systems>
</configuration>

```

Description Configure a neighbor.

Contents <accept-remote-nexthop>—Allow import policy to specify a non-directly connected next-hop.

<advertise-external>—Advertise best external routes.

<advertise-inactive>—Advertise inactive routes.

<advertise-peer-as>—Advertise routes received from the same autonomous system.

<as-override>—Replace neighbor AS number with our AS number.

<authentication-algorithm>—Authentication algorithm name.

- aes-128-cmac-96—Cipher-based Message Authentication Code (AES128) (96 bits).

- hmac-sha-1-96—Hash-based Message Authentication Code (SHA1) (96 bits).

- md5—Message Digest 5.

<authentication-key>—MD5 authentication key.

<authentication-key-chain>—Key chain name.

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

<cluster>—Cluster identifier.

<damping>—Enable route flap damping.

<description>—Text description.

<export>—Export policy.

<family>—Protocol family for NLRI in updates.

<graceful-restart>—BGP graceful restart options.

<hold-time>—Hold time used when negotiating with a peer.

<import>—Import policy.

<include-mp-next-hop>—Include NEXT-HOP attribute in multiprotocol updates.

<ipsec-sa>—IPSec SA name.

<keep>—How to retain routes in the routing table.

- all—Retain all routes.

- none—Retain no routes.

<local-address>—Address of local end of BGP session.

<local-as>—Local autonomous system number.

<local-interface>—Local interface for IPv6 link local EBGp peering.

<local-preference>—Value of LOCAL_PREF path attribute.

<log-updown>—Log a message for peer state transitions.

<metric-out>—Route metric sent in MED.

<mtu-discovery>—Enable TCP path MTU discovery.

<multihop>—Configure an EBGp multihop session.

<multipath>—Allow load sharing among multiple BGP paths.

<name>—No documentation is available yet.

<no-aggregator-id>—Set router ID in aggregator path attribute to 0.

<no-client-reflect>—Disable intracluster route redistribution.

<out-delay>—How long before exporting routes from routing table.

<outbound-route-filter>—Dynamically negotiated cooperative route filtering.

<passive>—Do not send open messages to a peer.

<peer-as>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<preference>—Preference value.

<remove-private>—Remove well-known private AS numbers.

<tcp-mss>—Maximum TCP segment size.

<traceoptions>—Trace options for BGP.

<vpn-apply-export>—Apply BGP export policy when exporting VPN routes.

<neighbor> (configuration/logical-systems/protocols/l2circuit)

Usage <configuration>
 <logical-systems>
 <protocols>
 <l2circuit>
 <neighbor>
 <name>name</name> <!-- identifier -->
 <interface>...</interface>
 </neighbor>
 </l2circuit>
 </protocols>
 </logical-systems>
 </configuration>

Description List of Layer 2 circuits to this neighbor.

Contents <interface>—Interface forming the Layer 2 circuit.
 <name>—Neighbor ID.

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

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf>
 <area>
 <interface>
 <neighbor>
 <name>name</name> <!-- identifier -->
 <eligible/>
 </neighbor>
 </interface>
 </area>
 </ospf>
 </protocols>
 </logical-systems>
</configuration>

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.
 <name>—Address of neighbor.

<neighbor> (configuration/logical-systems/protocols/ospf3/area/interface)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <area>
 <interface>
 <neighbor>
 <name>name</name> <!-- identifier -->
 <eligible/>
 </neighbor>
 </interface>
 </area>
 </ospf3>
 </protocols>
 </logical-systems>
</configuration>

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.
 <name>—Address of neighbor.

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

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <interface>
 <neighbor>
 <name>name</name> <!-- identifier -->
 <eligible/>
 </neighbor>
 </interface>
 </area>
 </realm>
 </ospf3>
 </protocols>
</logical-systems>
</configuration>

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.
 <name>—Address of neighbor.

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

Usage <configuration>
 <logical-systems>
 <protocols>
 <rip>
 <group>
<neighbor>
 <name>*name*</name> <!-- identifier -->
 <route-timeout>*seconds*</route-timeout>
 <update-interval>*seconds*</update-interval>
 <metric-in>*metric-in*</metric-in>
 <send>...</send>
 <receive>...</receive>
 <check-zero/>
 <any-sender/>
 <message-size>*message-size*</message-size>
 <import>...</import>
 <authentication-type>*authentication-type-choice*</authentication-type>
 <authentication-key>*authentication-key*</authentication-key>
 <bfd-liveness-detection>...</bfd-liveness-detection>
</neighbor>
 </group>
 </rip>
 </protocols>
 </logical-systems>
 </configuration>

Description Neighbor configuration.

Contents <any-sender>—Disable strict checks on sender address.

<authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ none—No authentication.

■ simple—Simple password authentication.

<bfd-liveness-detection>—Bidirectional Forwarding Detection options.

<check-zero>—Check reserved fields on incoming RIPv1 packets.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

<name>—Interface name.

<receive>—Configure RIP receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIP send options.

<update-interval>—Interval between regular route updates.

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

Usage

```

<configuration>
  <logical-systems>
    <protocols>
      <ripng>
        <group>
          <neighbor>
            <name>name</name>    <!-- identifier -->
            <route-timeout>seconds</route-timeout>
            <update-interval>seconds</update-interval>
            <metric-in>metric-in</metric-in>
            <send>...</send>
            <receive>...</receive>
            <import>...</import>
          </neighbor>
        </group>
      </ripng>
    </protocols>
  </logical-systems>
</configuration>

```

Description Neighbor configuration.

Contents <import>—Import policy.

<metric-in>—Metric value to add to incoming routes.

<name>—Interface name.

<receive>—Configure RIPng receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIPng send options.

<update-interval>—Interval between regular route updates.

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

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <bgp>
 <group>
<neighbor>
 <name>*name*</name> <!-- identifier -->
 <traceoptions>...</traceoptions>
 <description>*description*</description>
 <metric-out>...</metric-out>
 <multihop>...</multihop>
 <accept-remote-nexthop/>
 <preference>*preference*</preference>
 <local-preference>*local-preference*</local-preference>
 <local-address>*local-address*</local-address>
 <local-interface>*local-interface*</local-interface>
 <hold-time>*hold-time*</hold-time>
 <passive/>
 <advertise-inactive/>
 <advertise-peer-as/>
 <advertise-external>...</advertise-external>
 <keep>*keep-choice*</keep>
 <no-aggregator-id/>
 <mtu-discovery/>
 <out-delay>*out-delay*</out-delay>
 <log-updown/>
 <damping/>
 <import>...</import>
 <family>...</family>
 <authentication-key>*authentication-key*</authentication-key>
 <authentication-algorithm>*authentication-algorithm-choice*
 </authentication-algorithm>
 <authentication-key-chain>*authentication-key-chain*
 </authentication-key-chain>
 <export>...</export>
 <vpn-apply-export/>
 <remove-private/>
 <cluster>*cluster*</cluster>
 <no-client-reflect/>
 <peer-as>*peer-as*</peer-as>
 <local-as>...</local-as>
 <ipsec-sa>*ipsec-sa*</ipsec-sa>
 <graceful-restart>...</graceful-restart>
 <include-mp-next-hop/>
 <outbound-route-filter>...</outbound-route-filter>
 <tcp-mss>*tcp-mss*</tcp-mss>
 <bfd-liveness-detection>...</bfd-liveness-detection>
 <multipath>...</multipath>
 <as-override/>

```

        </neighbor>
      </group>
    </bgp>
  </protocols>
</instance>
</routing-instances>
</logical-systems>
</configuration>

```

Description Configure a neighbor.

Contents <accept-remote-nexthop>—Allow import policy to specify a non-directly connected next-hop.

<advertise-external>—Advertise best external routes.

<advertise-inactive>—Advertise inactive routes.

<advertise-peer-as>—Advertise routes received from the same autonomous system.

<as-override>—Replace neighbor AS number with our AS number.

<authentication-algorithm>—Authentication algorithm name.

- aes-128-cmac-96—Cipher-based Message Authentication Code (AES128) (96 bits).

- hmac-sha-1-96—Hash-based Message Authentication Code (SHA1) (96 bits).

- md5—Message Digest 5.

<authentication-key>—MD5 authentication key.

<authentication-key-chain>—Key chain name.

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

<cluster>—Cluster identifier.

<damping>—Enable route flap damping.

<description>—Text description.

<export>—Export policy.

<family>—Protocol family for NLRIs in updates.

<graceful-restart>—BGP graceful restart options.

<hold-time>—Hold time used when negotiating with a peer.

<import>—Import policy.

<include-mp-next-hop>—Include NEXT-HOP attribute in multiprotocol updates.

<ipsec-sa>—IPSec SA name.

<keep>—How to retain routes in the routing table.

- all—Retain all routes.
- none—Retain no routes.

<local-address>—Address of local end of BGP session.

<local-as>—Local autonomous system number.

<local-interface>—Local interface for IPv6 link local EBGp peering.

<local-preference>—Value of LOCAL_PREF path attribute.

<log-updown>—Log a message for peer state transitions.

<metric-out>—Route metric sent in MED.

<mtu-discovery>—Enable TCP path MTU discovery.

<multihop>—Configure an EBGp multihop session.

<multipath>—Allow load sharing among multiple BGP paths.

<name>—No documentation is available yet.

<no-aggregator-id>—Set router ID in aggregator path attribute to 0.

<no-client-reflect>—Disable intracluster route redistribution.

<out-delay>—How long before exporting routes from routing table.

<outbound-route-filter>—Dynamically negotiated cooperative route filtering.

<passive>—Do not send open messages to a peer.

<peer-as>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<preference>—Preference value.

<remove-private>—Remove well-known private AS numbers.

<tcp-mss>—Maximum TCP segment size.

<traceoptions>—Trace options for BGP.

<vpn-apply-export>—Apply BGP export policy when exporting VPN routes.

<neighbor> (configuration/logical-systems/routing-instances/instance/protocols/l2vpn)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <l2vpn>
            <neighbor>
              <name>name</name>    <!-- identifier -->
              <psn-tunnel-endpoint>psn-tunnel-endpoint</psn-tunnel-endpoint>
              <community>community</community>
              <encapsulation-type>encapsulation-type-choice</encapsulation-type>
              <ignore-encapsulation-mismatch/>
              <switchover-delay>milliseconds</switchover-delay>
              <backup-neighbor>...</backup-neighbor>
            </neighbor>
          </l2vpn>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Neighbor for this VPLS instance.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.
- frame-relay-port-mode—Frame Relay port mode encapsulation.

- **interworking**—Layer 2.5 interworking VPN.
 - **ppp**—PPP encapsulation.
 - **satop-e1**—SATOP-E1 based Layer 2 VPN.
 - **satop-e3**—SATOP-E3 based Layer 2 VPN.
 - **satop-t1**—SATOP-T1 based Layer 2 VPN.
 - **satop-t3**—SATOP-T3 based Layer 2 VPN.
- <ignore-encapsulation-mismatch>**—Allow different encapsulation types on local and remote end.
- <name>**—Neighbor ID.
- <psn-tunnel-endpoint>**—Endpoint of the transport tunnel on the remote PE.
- <switchover-delay>**—Pseudowire switchover delay .

<neighbor> (configuration/logical-systems/routing-instances/instance/protocols/l2vpn/mesh-group)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <l2vpn>
            <mesh-group>
              <neighbor>
                <name>name</name>    <!-- identifier -->
                <psn-tunnel-endpoint>psn-tunnel-endpoint</psn-tunnel-endpoint>
                <community>community</community>
                <encapsulation-type>encapsulation-type-choice</encapsulation-type>
                <ignore-encapsulation-mismatch/>
                <switchover-delay>milliseconds</switchover-delay>
                <backup-neighbor>...</backup-neighbor>
              </neighbor>
            </mesh-group>
          </l2vpn>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Neighbor belonging to this mesh-group.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.

- `frame-relay-port-mode`—Frame Relay port mode encapsulation.
- `interworking`—Layer 2.5 interworking VPN.
- `ppp`—PPP encapsulation.
- `satop-e1`—SATOP-E1 based Layer 2 VPN.
- `satop-e3`—SATOP-E3 based Layer 2 VPN.
- `satop-t1`—SATOP-T1 based Layer 2 VPN.
- `satop-t3`—SATOP-T3 based Layer 2 VPN.

`<ignore-encapsulation-mismatch>`—Allow different encapsulation types on local and remote end.

`<name>`—Neighbor ID.

`<psn-tunnel-endpoint>`—Endpoint of the transport tunnel on the remote PE.

`<switchover-delay>`—Pseudowire switchover delay .

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

Usage `<configuration>`
 `<logical-systems>`
 `<routing-instances>`
 `<instance>`
 `<protocols>`
 `<ospf>`
 `<area>`
 `<interface>`
 `<neighbor>`
 `<name>name</name>` <!-- identifier -->
 `<eligible/>`
 `</neighbor>`
 `</interface>`
 `</area>`
 `</ospf>`
 `</protocols>`
 `</instance>`
 `</routing-instances>`
 `</logical-systems>`
`</configuration>`

Description NBMA neighbor.

Contents `<eligible>`—Eligible to be DR on an NBMA network.

`<name>`—Address of neighbor.

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

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <area>
              <interface>
                <neighbor>
                  <name>name</name>    <!-- identifier -->
                  <eligible/>
                </neighbor>
              </interface>
            </area>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.

<name>—Address of neighbor.

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

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <interface>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <eligible/>
 </neighbor>
 </interface>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.

 <name>—Address of neighbor.

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

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <rip>
            <group>
              <neighbor>
                <name>name</name>    <!-- identifier -->
                <route-timeout>seconds</route-timeout>
                <update-interval>seconds</update-interval>
                <metric-in>metric-in</metric-in>
                <send>...</send>
                <receive>...</receive>
                <check-zero/>
                <any-sender/>
                <message-size>message-size</message-size>
                <import>...</import>
                <authentication-type>authentication-type-choice</
authentication-type>
                <authentication-key>authentication-key</authentication-key>
                <bfd-liveness-detection>...</bfd-liveness-detection>
              </neighbor>
            </group>
          </rip>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Neighbor configuration.

Contents <any-sender>—Disable strict checks on sender address.

<authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ none—No authentication.

■ simple—Simple password authentication.

<bfd-liveness-detection>—Bidirectional Forwarding Detection options.

<check-zero>—Check reserved fields on incoming RIPv1 packets.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

<name>—Interface name.

<receive>—Configure RIP receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIP send options.

<update-interval>—Interval between regular route updates.

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

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ripng>
            <group>
              <neighbor>
                <name>name</name>    <!-- identifier -->
                <route-timeout>seconds</route-timeout>
                <update-interval>seconds</update-interval>
                <metric-in>metric-in</metric-in>
                <send>...</send>
                <receive>...</receive>
                <import>...</import>
              </neighbor>
            </group>
          </ripng>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Neighbor configuration.

Contents <import>—Import policy.

<metric-in>—Metric value to add to incoming routes.

<name>—Interface name.

<receive>—Configure RIPng receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIPng send options.

<update-interval>—Interval between regular route updates.

<neighbor> (configuration/logical-systems/routing-instances/instance/protocols/vpls)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <vpls>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <psn-tunnel-endpoint>*psn-tunnel-endpoint*</psn-tunnel-endpoint>
 <community>*community*</community>
 <encapsulation-type>*encapsulation-type-choice*</encapsulation-type>
 <ignore-encapsulation-mismatch/>
 <switchover-delay>*milliseconds*</switchover-delay>
 <backup-neighbor>...</backup-neighbor>
 </neighbor>
 </vpls>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description Neighbor for this VPLS instance.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.
- frame-relay-port-mode—Frame Relay port mode encapsulation.

- `interworking`—Layer 2.5 interworking VPN.
- `ppp`—PPP encapsulation.
- `satop-e1`—SATOP-E1 based Layer 2 VPN.
- `satop-e3`—SATOP-E3 based Layer 2 VPN.
- `satop-t1`—SATOP-T1 based Layer 2 VPN.
- `satop-t3`—SATOP-T3 based Layer 2 VPN.

`<ignore-encapsulation-mismatch>`—Allow different encapsulation types on local and remote end.

`<name>`—Neighbor ID.

`<psn-tunnel-endpoint>`—Endpoint of the transport tunnel on the remote PE.

`<switchover-delay>`—Pseudowire switchover delay .

<neighbor> (configuration/logical-systems/routing-instances/instance/protocols/vpls/mesh-group)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <vpls>
 <mesh-group>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <psn-tunnel-endpoint>*psn-tunnel-endpoint*</psn-tunnel-endpoint>
 <community>*community*</community>
 <encapsulation-type>*encapsulation-type-choice*</encapsulation-type>
 <ignore-encapsulation-mismatch/>
 <switchover-delay>*milliseconds*</switchover-delay>
 <backup-neighbor>...</backup-neighbor>
 </neighbor>
 </mesh-group>
 </vpls>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description Neighbor belonging to this mesh-group.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.

- `frame-relay-port-mode`—Frame Relay port mode encapsulation.
- `interworking`—Layer 2.5 interworking VPN.
- `ppp`—PPP encapsulation.
- `satop-e1`—SATOP-E1 based Layer 2 VPN.
- `satop-e3`—SATOP-E3 based Layer 2 VPN.
- `satop-t1`—SATOP-T1 based Layer 2 VPN.
- `satop-t3`—SATOP-T3 based Layer 2 VPN.

`<ignore-encapsulation-mismatch>`—Allow different encapsulation types on local and remote end.

`<name>`—Neighbor ID.

`<psn-tunnel-endpoint>`—Endpoint of the transport tunnel on the remote PE.

`<switchover-delay>`—Pseudowire switchover delay .

`<neighbor>` (configuration/policy-options/policy-statement/from)

Usage `<configuration>`
 `<policy-options>`
 `<policy-statement>`
 `<from>`
 `<neighbor>`
 `<name>name</name>` <!-- identifier -->
 `</neighbor>`
 `</from>`
 `</policy-statement>`
 `</policy-options>`
 `</configuration>`

Description Neighboring router.

Contents `<name>`—Neighboring router.

<neighbor> (configuration/policy-options/policy-statement/term/from)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <term>
 <from>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 </neighbor>
 </from>
 </term>
 </policy-statement>
 </policy-options>
 </configuration>

Description Neighboring router.

Contents <name>—Neighboring router.

<neighbor> (configuration/policy-options/policy-statement/term/to)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <term>
 <to>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 </neighbor>
 </to>
 </term>
 </policy-statement>
 </policy-options>
 </configuration>

Description Neighboring router.

Contents <name>—Neighboring router.

<neighbor> (configuration/policy-options/policy-statement/to)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <to>
 <neighbor>
 <name>name</name> <!-- identifier -->
 </neighbor>
 </to>
 </policy-statement>
 </policy-options>
 </configuration>

Description Neighboring router.

Contents <name>—Neighboring router.

<neighbor> (configuration/protocols/bgp/group)

```

Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <neighbor>
        <name>name</name>    <!-- identifier -->
        <traceoptions>...</traceoptions>
        <description>description</description>
        <metric-out>...</metric-out>
        <multihop>...</multihop>
        <accept-remote-nexthop/>
        <preference>preference</preference>
        <local-preference>local-preference</local-preference>
        <local-address>local-address</local-address>
        <local-interface>local-interface</local-interface>
        <hold-time>hold-time</hold-time>
        <passive/>
        <advertise-inactive/>
        <advertise-peer-as/>
        <advertise-external>...</advertise-external>
        <keep>keep-choice</keep>
        <no-aggregator-id/>
        <mtu-discovery/>
        <out-delay>out-delay</out-delay>
        <log-updown/>
        <damping/>
        <import>...</import>
        <family>...</family>
        <authentication-key>authentication-key</authentication-key>
        <authentication-algorithm>authentication-algorithm-choice
          </authentication-algorithm>
        <authentication-key-chain>authentication-key-chain
          </authentication-key-chain>
        <export>...</export>
        <vpn-apply-export/>
        <remove-private/>
        <cluster>cluster</cluster>
        <no-client-reflect/>
        <peer-as>peer-as</peer-as>
        <local-as>...</local-as>
        <ipsec-sa>ipsec-sa</ipsec-sa>
        <graceful-restart>...</graceful-restart>
        <include-mp-next-hop/>
        <outbound-route-filter>...</outbound-route-filter>
        <tcp-mss>tcp-mss</tcp-mss>
        <bfd-liveness-detection>...</bfd-liveness-detection>
        <multipath>...</multipath>
        <as-override/>
      </neighbor>
    </group>
  </bgp>
</protocols>

```

</configuration>

Description Configure a neighbor.

Contents <accept-remote-nexthop>—Allow import policy to specify a non-directly connected next-hop.

<advertise-external>—Advertise best external routes.

<advertise-inactive>—Advertise inactive routes.

<advertise-peer-as>—Advertise routes received from the same autonomous system.

<as-override>—Replace neighbor AS number with our AS number.

<authentication-algorithm>—Authentication algorithm name.

- aes-128-cmac-96—Cipher-based Message Authentication Code (AES128) (96 bits).

- hmac-sha-1-96—Hash-based Message Authentication Code (SHA1) (96 bits).

- md5—Message Digest 5.

<authentication-key>—MD5 authentication key.

<authentication-key-chain>—Key chain name.

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

<cluster>—Cluster identifier.

<damping>—Enable route flap damping.

<description>—Text description.

<export>—Export policy.

<family>—Protocol family for NLRI in updates.

<graceful-restart>—BGP graceful restart options.

<hold-time>—Hold time used when negotiating with a peer.

<import>—Import policy.

<include-mp-next-hop>—Include NEXT-HOP attribute in multiprotocol updates.

<ipsec-sa>—IPSec SA name.

<keep>—How to retain routes in the routing table.

- all—Retain all routes.

- none—Retain no routes.

<local-address>—Address of local end of BGP session.

<local-as>—Local autonomous system number.

<local-interface>—Local interface for IPv6 link local EBGp peering.

<local-preference>—Value of LOCAL_PREF path attribute.

<log-updown>—Log a message for peer state transitions.

<metric-out>—Route metric sent in MED.

<mtu-discovery>—Enable TCP path MTU discovery.

<multihop>—Configure an EBGp multihop session.

<multipath>—Allow load sharing among multiple BGP paths.

<name>—No documentation is available yet.

<no-aggregator-id>—Set router ID in aggregator path attribute to 0.

<no-client-reflect>—Disable intracluster route redistribution.

<out-delay>—How long before exporting routes from routing table.

<outbound-route-filter>—Dynamically negotiated cooperative route filtering.

<passive>—Do not send open messages to a peer.

<peer-as>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<preference>—Preference value.

<remove-private>—Remove well-known private AS numbers.

<tcp-mss>—Maximum TCP segment size.

<traceoptions>—Trace options for BGP.

<vpn-apply-export>—Apply BGP export policy when exporting VPN routes.

<neighbor> (configuration/protocols/l2circuit)

Usage	<pre> <configuration> <protocols> <l2circuit> <neighbor> <name>name</name> <!-- identifier --> <interface>...</interface> </neighbor> </l2circuit> </protocols> </configuration> </pre>
Description	List of Layer 2 circuits to this neighbor.
Contents	<p><interface>—Interface forming the Layer 2 circuit.</p> <p><name>—Neighbor ID.</p>

<neighbor> (configuration/protocols/ospf/area/interface)

Usage	<pre> <configuration> <protocols> <ospf> <area> <interface> <neighbor> <name>name</name> <!-- identifier --> <eligible/> </neighbor> </interface> </area> </ospf> </protocols> </configuration> </pre>
Description	NBMA neighbor.
Contents	<p><eligible>—Eligible to be DR on an NBMA network.</p> <p><name>—Address of neighbor.</p>

<neighbor> (configuration/protocols/ospf3/area/interface)

Usage <configuration>
 <protocols>
 <ospf3>
 <area>
 <interface>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <eligible/>
 </neighbor>
 </interface>
 </area>
 </ospf3>
 </protocols>
 </configuration>

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.

 <name>—Address of neighbor.

<neighbor> (configuration/protocols/ospf3/realm/area/interface)

Usage <configuration>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <interface>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <eligible/>
 </neighbor>
 </interface>
 </area>
 </realm>
 </ospf3>
 </protocols>
</configuration>

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.

 <name>—Address of neighbor.

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

Usage <configuration>
 <protocols>
 <rip>
 <group>
 <neighbor>
 <name>name</name> <!-- identifier -->
 <route-timeout>seconds</route-timeout>
 <update-interval>seconds</update-interval>
 <metric-in>metric-in</metric-in>
 <send>...</send>
 <receive>...</receive>
 <check-zero/>
 <any-sender/>
 <message-size>message-size</message-size>
 <import>...</import>
 <authentication-type>authentication-type-choice</authentication-type>
 <authentication-key>authentication-key</authentication-key>
 <bfd-liveness-detection>...</bfd-liveness-detection>
 </neighbor>
 </group>
</rip>
</protocols>
</configuration>

Description Neighbor configuration.

Contents <any-sender>—Disable strict checks on sender address.

<authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ none—No authentication.

■ simple—Simple password authentication.

<bfd-liveness-detection>—Bidirectional Forwarding Detection options.

<check-zero>—Check reserved fields on incoming RIPv1 packets.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

<name>—Interface name.

<receive>—Configure RIP receive options.

<route-timeout>—Delay before routes time out.

`<send>`—Configure RIP send options.

`<update-interval>`—Interval between regular route updates.

`<neighbor>` (configuration/protocols/ripng/group)

Usage `<configuration>`
 `<protocols>`
 `<ripng>`
 `<group>`
 `<neighbor>`
 `<name>name</name>` `<!-- identifier -->`
 `<route-timeout>seconds</route-timeout>`
 `<update-interval>seconds</update-interval>`
 `<metric-in>metric-in</metric-in>`
 `<send>...</send>`
 `<receive>...</receive>`
 `<import>...</import>`
 `</neighbor>`
 `</group>`
 `</ripng>`
 `</protocols>`
`</configuration>`

Description Neighbor configuration.

Contents `<import>`—Import policy.

`<metric-in>`—Metric value to add to incoming routes.

`<name>`—Interface name.

`<receive>`—Configure RIPng receive options.

`<route-timeout>`—Delay before routes time out.

`<send>`—Configure RIPng send options.

`<update-interval>`—Interval between regular route updates.

<neighbor> (configuration/routing-instances/instance/protocols/bgp/group)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <bgp>
 <group>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <traceoptions>...</traceoptions>
 <description>*description*</description>
 <metric-out>...</metric-out>
 <multihop>...</multihop>
 <accept-remote-nexthop/>
 <preference>*preference*</preference>
 <local-preference>*local-preference*</local-preference>
 <local-address>*local-address*</local-address>
 <local-interface>*local-interface*</local-interface>
 <hold-time>*hold-time*</hold-time>
 <passive/>
 <advertise-inactive/>
 <advertise-peer-as/>
 <advertise-external>...</advertise-external>
 <keep>*keep-choice*</keep>
 <no-agggregator-id/>
 <mtu-discovery/>
 <out-delay>*out-delay*</out-delay>
 <log-updown/>
 <damping/>
 <import>...</import>
 <family>...</family>
 <authentication-key>*authentication-key*</authentication-key>
 <authentication-algorithm>*authentication-algorithm-choice*
 </authentication-algorithm>
 <authentication-key-chain>*authentication-key-chain*
 </authentication-key-chain>
 <export>...</export>
 <vpn-apply-export/>
 <remove-private/>
 <cluster>*cluster*</cluster>
 <no-client-reflect/>
 <peer-as>*peer-as*</peer-as>
 <local-as>...</local-as>
 <ipsec-sa>*ipsec-sa*</ipsec-sa>
 <graceful-restart>...</graceful-restart>
 <include-mp-next-hop/>
 <outbound-route-filter>...</outbound-route-filter>
 <tcp-mss>*tcp-mss*</tcp-mss>
 <bfd-liveness-detection>...</bfd-liveness-detection>
 <multipath>...</multipath>
 <as-override/>
 </neighbor>

```

        </group>
      </bgp>
    </protocols>
  </instance>
</routing-instances>
</configuration>

```

Description Configure a neighbor.

Contents <accept-remote-nexthop>—Allow import policy to specify a non-directly connected next-hop.

<advertise-external>—Advertise best external routes.

<advertise-inactive>—Advertise inactive routes.

<advertise-peer-as>—Advertise routes received from the same autonomous system.

<as-override>—Replace neighbor AS number with our AS number.

<authentication-algorithm>—Authentication algorithm name.

- aes-128-cmac-96—Cipher-based Message Authentication Code (AES128) (96 bits).

- hmac-sha-1-96—Hash-based Message Authentication Code (SHA1) (96 bits).

- md5—Message Digest 5.

<authentication-key>—MD5 authentication key.

<authentication-key-chain>—Key chain name.

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

<cluster>—Cluster identifier.

<damping>—Enable route flap damping.

<description>—Text description.

<export>—Export policy.

<family>—Protocol family for NLRIs in updates.

<graceful-restart>—BGP graceful restart options.

<hold-time>—Hold time used when negotiating with a peer.

<import>—Import policy.

<include-mp-next-hop>—Include NEXT-HOP attribute in multiprotocol updates.

<ipsec-sa>—IPSec SA name.

<keep>—How to retain routes in the routing table.

- **all**—Retain all routes.

- **none**—Retain no routes.

<local-address>—Address of local end of BGP session.

<local-as>—Local autonomous system number.

<local-interface>—Local interface for IPv6 link local EBGp peering.

<local-preference>—Value of LOCAL_PREF path attribute.

<log-updown>—Log a message for peer state transitions.

<metric-out>—Route metric sent in MED.

<mtu-discovery>—Enable TCP path MTU discovery.

<multihop>—Configure an EBGp multihop session.

<multipath>—Allow load sharing among multiple BGP paths.

<name>—No documentation is available yet.

<no-aggregator-id>—Set router ID in aggregator path attribute to 0.

<no-client-reflect>—Disable intracluster route redistribution.

<out-delay>—How long before exporting routes from routing table.

<outbound-route-filter>—Dynamically negotiated cooperative route filtering.

<passive>—Do not send open messages to a peer.

<peer-as>—Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<preference>—Preference value.

<remove-private>—Remove well-known private AS numbers.

<tcp-mss>—Maximum TCP segment size.

<traceoptions>—Trace options for BGP.

<vpn-apply-export>—Apply BGP export policy when exporting VPN routes.

<neighbor> (configuration/routing-instances/instance/protocols/l2vpn)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <l2vpn>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <psn-tunnel-endpoint>*psn-tunnel-endpoint*</psn-tunnel-endpoint>
 <community>*community*</community>
 <encapsulation-type>*encapsulation-type-choice*</encapsulation-type>
 <ignore-encapsulation-mismatch/>
 <switchover-delay>*milliseconds*</switchover-delay>
 <backup-neighbor>...</backup-neighbor>
 </neighbor>
 </l2vpn>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Neighbor for this VPLS instance.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.
- frame-relay-port-mode—Frame Relay port mode encapsulation.
- interworking—Layer 2.5 interworking VPN.

- `ppp`—PPP encapsulation.
- `satop-e1`—SATOP-E1 based Layer 2 VPN.
- `satop-e3`—SATOP-E3 based Layer 2 VPN.
- `satop-t1`—SATOP-T1 based Layer 2 VPN.
- `satop-t3`—SATOP-T3 based Layer 2 VPN.

`<ignore-encapsulation-mismatch>`—Allow different encapsulation types on local and remote end.

`<name>`—Neighbor ID.

`<psn-tunnel-endpoint>`—Endpoint of the transport tunnel on the remote PE.

`<switchover-delay>`—Pseudowire switchover delay .

<neighbor> (configuration/routing-instances/instance/protocols/l2vpn/mesh-group)

Usage

```
<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <l2vpn>
          <mesh-group>
            <neighbor>
              <name>name</name>    <!-- identifier -->
              <psn-tunnel-endpoint>psn-tunnel-endpoint</psn-tunnel-endpoint>
              <community>community</community>
              <encapsulation-type>encapsulation-type-choice</encapsulation-type>
              <ignore-encapsulation-mismatch/>
              <switchover-delay>milliseconds</switchover-delay>
              <backup-neighbor>...</backup-neighbor>
            </neighbor>
          </mesh-group>
        </l2vpn>
      </protocols>
    </instance>
  </routing-instances>
</configuration>
```

Description Neighbor belonging to this mesh-group.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.
- frame-relay-port-mode—Frame Relay port mode encapsulation.

- `interworking`—Layer 2.5 interworking VPN.
- `ppp`—PPP encapsulation.
- `satop-e1`—SATOP-E1 based Layer 2 VPN.
- `satop-e3`—SATOP-E3 based Layer 2 VPN.
- `satop-t1`—SATOP-T1 based Layer 2 VPN.
- `satop-t3`—SATOP-T3 based Layer 2 VPN.

`<ignore-encapsulation-mismatch>`—Allow different encapsulation types on local and remote end.

`<name>`—Neighbor ID.

`<psn-tunnel-endpoint>`—Endpoint of the transport tunnel on the remote PE.

`<switchover-delay>`—Pseudowire switchover delay .

`<neighbor>` (configuration/routing-instances/instance/protocols/ospf/area/interface)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ospf>
          <area>
            <interface>
              <neighbor>
                <name>name</name>    <!-- identifier -->
                <eligible/>
              </neighbor>
            </interface>
          </area>
        </ospf>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

Description NBMA neighbor.

Contents `<eligible>`—Eligible to be DR on an NBMA network.

`<name>`—Address of neighbor.

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

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <area>
 <interface>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <eligible/>
 </neighbor>
 </interface>
 </area>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.

 <name>—Address of neighbor.

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

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ospf3>
          <realm>
            <area>
              <interface>
                <neighbor>
                  <name>name</name>    <!-- identifier -->
                  <eligible/>
                </neighbor>
              </interface>
            </area>
          </realm>
        </ospf3>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

Description NBMA neighbor.

Contents <eligible>—Eligible to be DR on an NBMA network.

<name>—Address of neighbor.

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

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <rip>
 <group>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <route-timeout>*seconds*</route-timeout>
 <update-interval>*seconds*</update-interval>
 <metric-in>*metric-in*</metric-in>
 <send>...</send>
 <receive>...</receive>
 <check-zero/>
 <any-sender/>
 <message-size>*message-size*</message-size>
 <import>...</import>
 <authentication-type>*authentication-type-choice*</authentication-type>
 <authentication-key>*authentication-key*</authentication-key>
 <bfd-liveness-detection>...</bfd-liveness-detection>
 </neighbor>
 </group>
 </rip>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Neighbor configuration.

Contents <any-sender>—Disable strict checks on sender address.

<authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ none—No authentication.

■ simple—Simple password authentication.

<bfd-liveness-detection>—Bidirectional Forwarding Detection options.

<check-zero>—Check reserved fields on incoming RIPv1 packets.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

`<name>`—Interface name.

`<receive>`—Configure RIP receive options.

`<route-timeout>`—Delay before routes time out.

`<send>`—Configure RIP send options.

`<update-interval>`—Interval between regular route updates.

`<neighbor>` (configuration/routing-instances/instance/protocols/ripng/group)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ripng>
          <group>
            <neighbor>
              <name>name</name>    <!-- identifier -->
              <route-timeout>seconds</route-timeout>
              <update-interval>seconds</update-interval>
              <metric-in>metric-in</metric-in>
              <send>...</send>
              <receive>...</receive>
              <import>...</import>
            </neighbor>
          </group>
        </ripng>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

Description Neighbor configuration.

Contents `<import>`—Import policy.

`<metric-in>`—Metric value to add to incoming routes.

`<name>`—Interface name.

`<receive>`—Configure RIPng receive options.

`<route-timeout>`—Delay before routes time out.

`<send>`—Configure RIPng send options.

`<update-interval>`—Interval between regular route updates.

<neighbor> (configuration/routing-instances/instance/protocols/vpls)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <vpls>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <psn-tunnel-endpoint>*psn-tunnel-endpoint*</psn-tunnel-endpoint>
 <community>*community*</community>
 <encapsulation-type>*encapsulation-type-choice*</encapsulation-type>
 <ignore-encapsulation-mismatch/>
 <switchover-delay>*milliseconds*</switchover-delay>
 <backup-neighbor>...</backup-neighbor>
 </neighbor>
 </vpls>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Neighbor for this VPLS instance.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.
- frame-relay-port-mode—Frame Relay port mode encapsulation.
- interworking—Layer 2.5 interworking VPN.

- `ppp`—PPP encapsulation.
- `satop-e1`—SATOP-E1 based Layer 2 VPN.
- `satop-e3`—SATOP-E3 based Layer 2 VPN.
- `satop-t1`—SATOP-T1 based Layer 2 VPN.
- `satop-t3`—SATOP-T3 based Layer 2 VPN.

`<ignore-encapsulation-mismatch>`—Allow different encapsulation types on local and remote end.

`<name>`—Neighbor ID.

`<psn-tunnel-endpoint>`—Endpoint of the transport tunnel on the remote PE.

`<switchover-delay>`—Pseudowire switchover delay .

<neighbor> (configuration/routing-instances/instance/protocols/vpls/mesh-group)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <vpls>
 <mesh-group>
 <neighbor>
 <name>*name*</name> <!-- identifier -->
 <psn-tunnel-endpoint>*psn-tunnel-endpoint*</psn-tunnel-endpoint>
 <community>*community*</community>
 <encapsulation-type>*encapsulation-type-choice*</encapsulation-type>
 <ignore-encapsulation-mismatch/>
 <switchover-delay>*milliseconds*</switchover-delay>
 <backup-neighbor>...</backup-neighbor>
 </neighbor>
 </mesh-group>
 </vpls>
 </protocols>
 </instance>
 </routing-instances>
</configuration>

Description Neighbor belonging to this mesh-group.

Contents <backup-neighbor>—Configuration of redundant l2circuit.

<community>—Community associated with this neighbor.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.
- frame-relay-port-mode—Frame Relay port mode encapsulation.

- interworking—Layer 2.5 interworking VPN.
- ppp—PPP encapsulation.
- satop-e1—SATOP-E1 based Layer 2 VPN.
- satop-e3—SATOP-E3 based Layer 2 VPN.
- satop-t1—SATOP-T1 based Layer 2 VPN.
- satop-t3—SATOP-T3 based Layer 2 VPN.

<ignore-encapsulation-mismatch>—Allow different encapsulation types on local and remote end.

<name>—Neighbor ID.

<psn-tunnel-endpoint>—Endpoint of the transport tunnel on the remote PE.

<switchover-delay>—Pseudowire switchover delay .

<neighbor-discovery> (configuration/logical-systems/protocols)

Usage <configuration>
 <logical-systems>
 <protocols>
 <neighbor-discovery>
 <secure>...</secure>
 </neighbor-discovery>
 </protocols>
 </logical-systems>
 </configuration>

Description No documentation is available yet.

Contents <secure>—SEND process configuration.

<neighbor-discovery> (configuration/protocols)

Usage <configuration>
 <protocols>
 <neighbor-discovery>
 <secure>...</secure>
 </neighbor-discovery>
 </protocols>
 </configuration>

Description No documentation is available yet.

Contents <secure>—SEND process configuration.

<neighbor-policy> (configuration/logical-systems/protocols/pim/interface)

Usage <configuration>
 <logical-systems>
 <protocols>
 <pim>
 <interface>
 <neighbor-policy>
 <name>*name*</name> <!-- identifier -->
 </neighbor-policy>
 </interface>
 </pim>
 </protocols>
 </logical-systems>
 </configuration>

Description PIM neighbor policy applied to incoming hello messages.

Contents <name>—PIM neighbor policy applied to incoming hello messages.

<neighbor-policy> (configuration/logical-systems/routing-instances/instance/protocols/pim/interface)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <pim>
 <interface>
 <neighbor-policy>
 <name>*name*</name> <!-- identifier -->
 </neighbor-policy>
 </interface>
 </pim>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description PIM neighbor policy applied to incoming hello messages.

Contents <name>—PIM neighbor policy applied to incoming hello messages.

<neighbor-policy> (configuration/protocols/pim/interface)

Usage <configuration>
 <protocols>
 <pim>
 <interface>
 <neighbor-policy>
 <name>name</name> <!-- identifier -->
 </neighbor-policy>
 </interface>
 </pim>
 </protocols>
 </configuration>

Description PIM neighbor policy applied to incoming hello messages.

Contents <name>—PIM neighbor policy applied to incoming hello messages.

<neighbor-policy> (configuration/routing-instances/instance/protocols/pim/interface)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <pim>
 <interface>
 <neighbor-policy>
 <name>name</name> <!-- identifier -->
 </neighbor-policy>
 </interface>
 </pim>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description PIM neighbor policy applied to incoming hello messages.

Contents <name>—PIM neighbor policy applied to incoming hello messages.

<netconf> (configuration/system/services)

Usage	<pre> <configuration> <system> <services> <netconf> <ssh>...</ssh> </netconf> </services> </system> </configuration> </pre>
Description	Allow NETCONF connections.
Contents	<ssh>—Allow NETCONF over SSH.

<network-address> (configuration/services/ggsn/service-identification/header-rule/term/from)

Usage	<pre> <configuration> <services> <ggsn> <service-identification> <header-rule> <term> <from> <network-address> <name>name</name> <!-- identifier --> </network-address> </from> </term> </header-rule> </service-identification> </ggsn> </services> </configuration> </pre>
Description	Match network address.
Contents	<name>—Match network address.

<network-port> (configuration/services/ggsn/service-identification/header-rule/term/from)

Usage

```
<configuration>
  <services>
    <ggsn>
      <service-identification>
        <header-rule>
          <term>
            <from>
              <network-port>
                <name>name</name>    <!-- identifier -->
              </network-port>
            </from>
          </term>
        </header-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>
```

Description Match network port.

Contents <name>—Match network port.

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

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

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

<network-prefix> (configuration/services/ggsn/service-identification/header-rule/term/from)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <header-rule>
 <term>
 <from>
 <network-prefix>
 <name>*name*</name> <!-- identifier -->
 </network-prefix>
 </from>
 </term>
 </header-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Match network prefix.

Contents <name>—Match network prefix.

<network-summary-export> (configuration/logical-systems/protocols/ospf/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf>
 <area>
 <network-summary-export>
 <name>*name*</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf>
 </protocols>
 </logical-systems>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/logical-systems/protocols/ospf3/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <area>
 <network-summary-export>
 <name>name</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf3>
 </protocols>
 </logical-systems>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/logical-systems/protocols/ospf3/realms/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <network-summary-export>
 <name>name</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </logical-systems>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/logical-systems/routing-instances/instance/protocols/ospf/area)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf>
 <area>
 <network-summary-export>
 <name>*name*</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/area)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <area>
 <network-summary-export>
 <name>*name*</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/realms/area)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <realms>
 <area>
 <network-summary-export>
 <name>name</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </realms>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/protocols/ospf/area)

Usage <configuration>
 <protocols>
 <ospf>
 <area>
 <network-summary-export>
 <name>name</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf>
 </protocols>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/protocols/ospf3/area)

Usage <configuration>
 <protocols>
 <ospf3>
 <area>
 <network-summary-export>
 <name>*name*</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf3>
 </protocols>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/protocols/ospf3/realm/area)

Usage <configuration>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <network-summary-export>
 <name>*name*</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/routing-instances/instance/protocols/ospf/area)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf>
 <area>
 <network-summary-export>
 <name>name</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/routing-instances/instance/protocols/ospf3/area)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <area>
 <network-summary-export>
 <name>name</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-export> (configuration/routing-instances/instance/protocols/ospf3/realm/area)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <network-summary-export>
 <name>*name*</name> <!-- identifier -->
 </network-summary-export>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Export policy for Type 3 Summary LSAs.

Contents <name>—Export policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/logical-systems/protocols/ospf/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf>
 </protocols>
 </logical-systems>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/logical-systems/protocols/ospf3/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf3>
 </protocols>
 </logical-systems>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/logical-systems/protocols/ospf3/realms/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </logical-systems>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/logical-systems/routing-instances/instance/protocols/ospf/area)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/area)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
</configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/realm/area)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <network-summary-import>
 <name>name</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/protocols/ospf/area)

Usage <configuration>
 <protocols>
 <ospf>
 <area>
 <network-summary-import>
 <name>name</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf>
 </protocols>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/protocols/ospf3/area)

Usage <configuration>
 <protocols>
 <ospf3>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf3>
 </protocols>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/protocols/ospf3/realm/area)

Usage <configuration>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/routing-instances/instance/protocols/ospf/area)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf>
 <area>
 <network-summary-import>
 <name>name</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/routing-instances/instance/protocols/ospf3/area)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <area>
 <network-summary-import>
 <name>name</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<network-summary-import> (configuration/routing-instances/instance/protocols/ospf3/realm/area)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <network-summary-import>
 <name>*name*</name> <!-- identifier -->
 </network-summary-import>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Import policy for Type 3 Summary LSAs.

Contents <name>—Import policy for Type 3 Summary LSAs.

<next-header> (configuration/firewall/family/inet6/filter/term/from)

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

Description Match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.

- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrrp`—Virtual Router Redundancy Protocol.

<next-header> (configuration/firewall/family/inet6/service-filter/term/from)

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

Description Match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
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- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrrp`—Virtual Router Redundancy Protocol.

<next-header> (configuration/logical-systems/firewall/family/inet6/filter/term/from)

Usage

```

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

```

Description Match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.

- `pim`—Protocol Independent Multicast.
- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

<next-header> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)

Usage

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <service-filter>
            <term>
              <from>
                <next-header>
                  <name>name</name>    <!-- identifier -->
                </next-header>
              </from>
            </term>
          </service-filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

Description Match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
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- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.

- `pim`—Protocol Independent Multicast.
- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

<next-header-except> (configuration/firewall/family/inet6/filter/term/from)

Usage

```
<configuration>
  <firewall>
    <family>
      <inet6>
        <filter>
          <term>
            <from>
              <next-header-except>
                <name>name</name>    <!-- identifier -->
              </next-header-except>
            </from>
          </term>
        </filter>
      </inet6>
    </family>
  </firewall>
</configuration>
```

Description Do not match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
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- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
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- ipip—IP in IP.
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- `range`—Range of values.
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- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrrp`—Virtual Router Redundancy Protocol.

<next-header-except> (configuration/firewall/family/inet6/service-filter/term/from)

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

Description Do not match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
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- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrrp`—Virtual Router Redundancy Protocol.

<next-header-except> (configuration/logical-systems/firewall/family/inet6/filter/term/from)

Usage

```

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

```

Description Do not match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.

- `pim`—Protocol Independent Multicast.
- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrrp`—Virtual Router Redundancy Protocol.

<next-header-except> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)

Usage

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <service-filter>
            <term>
              <from>
                <next-header-except>
                  <name>name</name>    <!-- identifier -->
                </next-header-except>
              </from>
            </term>
          </service-filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

Description Do not match IP protocol type.

Contents <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.

- pim—Protocol Independent Multicast.
- range—Range of values.
- routing—IPv6 routing header.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.
- vrrp—Virtual Router Redundancy Protocol.

<next-hop> (configuration/class-of-service/forwarding-policy/ next-hop-map/forwarding-class)

Usage <configuration>
 <class-of-service>
 <forwarding-policy>
 <next-hop-map>
 <forwarding-class>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </forwarding-class>
 </next-hop-map>
 </forwarding-policy>
 </class-of-service>
 </configuration>

Description Next-hop identifier to which to map.

Contents <name>—Next-hop identifier to which to map.

<next-hop> (configuration/dynamic-profiles/class-of-service/forwarding-policy/next-hop-map/forwarding-class)

Usage <configuration>
 <dynamic-profiles>
 <class-of-service>
 <forwarding-policy>
 <next-hop-map>
 <forwarding-class>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </forwarding-class>
 </next-hop-map>
 </forwarding-policy>
 </class-of-service>
 </dynamic-profiles>
 </configuration>

Description Next-hop identifier to which to map.

Contents <name>—Next-hop identifier to which to map.

<next-hop> (configuration/forwarding-options/next-hop-group/interface)

Usage <configuration>
 <forwarding-options>
 <next-hop-group>
 <interface>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </interface>
 </next-hop-group>
 </forwarding-options>
 </configuration>

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/forwarding-options/port-mirroring/family/inet/output/interface)

Usage <configuration>
 <forwarding-options>
 <port-mirroring>
 <family>
 <inet>
 <output>
 <interface>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </interface>
 </output>
 </inet>
 </family>
 </port-mirroring>
 </forwarding-options>
</configuration>

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/forwarding-options/port-mirroring/family/inet6/output/interface)

Usage <configuration>
 <forwarding-options>
 <port-mirroring>
 <family>
 <inet6>
 <output>
 <interface>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </interface>
 </output>
 </inet6>
 </family>
 </port-mirroring>
 </forwarding-options>
</configuration>

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/forwarding-options/port-mirroring/instance/family/inet/output/interface)

Usage

```

<configuration>
  <forwarding-options>
    <port-mirroring>
      <instance>
        <family>
          <inet>
            <output>
              <interface>
                <next-hop>
                  <name>name</name>    <!-- identifier -->
                </next-hop>
              </interface>
            </output>
          </inet>
        </family>
      </instance>
    </port-mirroring>
  </forwarding-options>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/forwarding-options/port-mirroring/instance/family/inet6/output/interface)

Usage

```

<configuration>
  <forwarding-options>
    <port-mirroring>
      <instance>
        <family>
          <inet6>
            <output>
              <interface>
                <next-hop>
                  <name>name</name>    <!-- identifier -->
                </next-hop>
              </interface>
            </output>
          </inet6>
        </family>
      </instance>
    </port-mirroring>
  </forwarding-options>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/from)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <from>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </from>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Next-hop router.

Contents <name>—Next-hop router.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/from/prefix-list-filter)

Usage

```

<configuration>
  <logical-systems>
    <policy-options>
      <policy-statement>
        <from>
          <prefix-list-filter>
            <next-hop>
              <self/>
              <peer-address/>
              <address>address</address>
              <reject/>
              <discard/>
              <next-table>next-table</next-table>
            </next-hop>
          </prefix-list-filter>
        </from>
      </policy-statement>
    </policy-options>
  </logical-systems>
</configuration>

```

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

<discard>—Use a discard next hop.

<next-table>—Perform a forwarding lookup in the specified table.

<peer-address>—Use the remote peer address as the next-hop address.

<reject>—Use a reject next hop.

<self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/from/route-filter)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <from>
 <route-filter>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </route-filter>
 </from>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/from/source-address-filter)

Usage

```

<configuration>
  <logical-systems>
    <policy-options>
      <policy-statement>
        <from>
          <source-address-filter>
            <next-hop>
              <self/>
              <peer-address/>
              <address>address</address>
              <reject/>
              <discard/>
              <next-table>next-table</next-table>
            </next-hop>
          </source-address-filter>
        </from>
      </policy-statement>
    </policy-options>
  </logical-systems>
</configuration>

```

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

<discard>—Use a discard next hop.

<next-table>—Perform a forwarding lookup in the specified table.

<peer-address>—Use the remote peer address as the next-hop address.

<reject>—Use a reject next hop.

<self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/ policy-statement/term/from)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <term>
 <from>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </from>
 </term>
 </policy-statement>
 </policy-options>
 </logical-systems>
</configuration>

Description Next-hop router.

Contents <name>—Next-hop router.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/term/from/prefix-list-filter)

Usage

```

<configuration>
  <logical-systems>
    <policy-options>
      <policy-statement>
        <term>
          <from>
            <prefix-list-filter>
              <next-hop>
                <self/>
                <peer-address/>
                <address>address</address>
                <reject/>
                <discard/>
                <next-table>next-table</next-table>
              </next-hop>
            </prefix-list-filter>
          </from>
        </term>
      </policy-statement>
    </policy-options>
  </logical-systems>
</configuration>

```

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

<discard>—Use a discard next hop.

<next-table>—Perform a forwarding lookup in the specified table.

<peer-address>—Use the remote peer address as the next-hop address.

<reject>—Use a reject next hop.

<self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/term/from/route-filter)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <term>
 <from>
 <route-filter>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </route-filter>
 </from>
 </term>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/term/from/source-address-filter)

Usage

```

<configuration>
  <logical-systems>
    <policy-options>
      <policy-statement>
        <term>
          <from>
            <source-address-filter>
              <next-hop>
                <self/>
                <peer-address/>
                <address>address</address>
                <reject/>
                <discard/>
                <next-table>next-table</next-table>
              </next-hop>
            </source-address-filter>
          </from>
        </term>
      </policy-statement>
    </policy-options>
  </logical-systems>
</configuration>

```

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

<discard>—Use a discard next hop.

<next-table>—Perform a forwarding lookup in the specified table.

<peer-address>—Use the remote peer address as the next-hop address.

<reject>—Use a reject next hop.

<self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/ policy-statement/term/then)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <term>
 <then>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </then>
 </term>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/ policy-statement/term/to)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <term>
 <to>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </to>
 </term>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Next-hop router.

Contents <name>—Next-hop router.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/then)

Usage <configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <then>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </then>
 </policy-statement>
 </policy-options>
 </logical-systems>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/logical-systems/policy-options/policy-statement/to)

Usage `<configuration>
 <logical-systems>
 <policy-options>
 <policy-statement>
 <to>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </to>
 </policy-statement>
 </policy-options>
 </logical-systems>
</configuration>`

Description Next-hop router.

Contents `<name>`—Next-hop router.

<next-hop> (configuration/logical-systems/protocols/ldp)

Usage `<configuration>
 <logical-systems>
 <protocols>
 <ldp>
 <next-hop>
 <merged>...</merged>
 </next-hop>
 </ldp>
 </protocols>
 </logical-systems>
</configuration>`

Description LDP next-hop control.

Contents `<merged>`—Merged next hop.

<next-hop> (configuration/logical-systems/routing-instances/instance/forwarding-options/next-hop-group/interface)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <forwarding-options>
 <next-hop-group>
 <interface>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </interface>
 </next-hop-group>
 </forwarding-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/family/inet/output/interface)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <family>
              <inet>
                <output>
                  <interface>
                    <next-hop>
                      <name>name</name>    <!-- identifier -->
                    </next-hop>
                  </interface>
                </output>
              </inet>
            </family>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/family/inet6/output/interface)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <family>
              <inet6>
                <output>
                  <interface>
                    <next-hop>
                      <name>name</name>    <!-- identifier -->
                    </next-hop>
                  </interface>
                </output>
              </inet6>
            </family>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet/output/interface)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <instance>
              <family>
                <inet>
                  <output>
                    <interface>
                      <next-hop>
                        <name>name</name>    <!-- identifier -->
                      </next-hop>
                    </interface>
                  </output>
                </inet>
              </family>
            </instance>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/logical-systems/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet6/output/interface)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <port-mirroring>
            <instance>
              <family>
                <inet6>
                  <output>
                    <interface>
                      <next-hop>
                        <name>name</name>    <!-- identifier -->
                      </next-hop>
                    </interface>
                  </output>
                </inet6>
              </family>
            </instance>
          </port-mirroring>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/logical-systems/routing-instances/instance/protocols/ldp)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ldp>
 <next-hop>
 <merged>...</merged>
 </next-hop>
 </ldp>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description LDP next-hop control.

Contents <merged>—Merged next hop.

<next-hop> (configuration/logical-systems/routing-instances/instance/routing-options/rib/static/iso-route)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <routing-options>
 <rib>
 <static>
 <iso-route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </iso-route>
 </static>
 </rib>
 </routing-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop> (configuration/logical-systems/routing-instances/instance/routing-options/rib/static/route)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <routing-options>
 <rib>
 <static>
 <route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </route>
 </static>
 </rib>
 </routing-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop> (configuration/logical-systems/routing-instances/instance/routing-options/static/iso-route)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <routing-options>
 <static>
 <iso-route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </iso-route>
 </static>
 </routing-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

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

Usage	<pre> <configuration> <logical-systems> <routing-instances> <instance> <routing-options> <static> <route> <next-hop> <name>name</name> <!-- identifier --> </next-hop> </route> </static> </routing-options> </instance> </routing-instances> </logical-systems> </configuration> </pre>
Description	Next hop to destination.
Contents	<name>—Next hop to destination.

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

Usage	<pre> <configuration> <logical-systems> <routing-options> <rib> <static> <iso-route> <next-hop> <name>name</name> <!-- identifier --> </next-hop> </iso-route> </static> </rib> </routing-options> </logical-systems> </configuration> </pre>
Description	Next hop to destination.
Contents	<name>—Next hop to destination.

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

Usage <configuration>
 <logical-systems>
 <routing-options>
 <rib>
 <static>
 <route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </route>
 </static>
 </rib>
 </routing-options>
 </logical-systems>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop> (configuration/logical-systems/routing-options/static/iso-route)

Usage <configuration>
 <logical-systems>
 <routing-options>
 <static>
 <iso-route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </iso-route>
 </static>
 </routing-options>
 </logical-systems>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop> (configuration/logical-systems/routing-options/static/route)

Usage	<pre> <configuration> <logical-systems> <routing-options> <static> <route> <next-hop> <name>name</name> <!-- identifier --> </next-hop> </route> </static> </routing-options> </logical-systems> </configuration> </pre>
Description	Next hop to destination.
Contents	<name>—Next hop to destination.

<next-hop> (configuration/policy-options/policy-statement/from)

Usage	<pre> <configuration> <policy-options> <policy-statement> <from> <next-hop> <name>name</name> <!-- identifier --> </next-hop> </from> </policy-statement> </policy-options> </configuration> </pre>
Description	Next-hop router.
Contents	<name>—Next-hop router.

<next-hop> (configuration/policy-options/policy-statement/from/prefix-list-filter)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <from>
 <prefix-list-filter>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </prefix-list-filter>
 </from>
 </policy-statement>
 </policy-options>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/from/route-filter)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <from>
 <route-filter>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </route-filter>
 </from>
 </policy-statement>
 </policy-options>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/from/source-address-filter)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <from>
 <source-address-filter>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </source-address-filter>
 </from>
 </policy-statement>
 </policy-options>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/term/ from)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <term>
 <from>
 <next-hop>
 <name>*name*</name> <!-- identifier -->
 </next-hop>
 </from>
 </term>
 </policy-statement>
 </policy-options>
 </configuration>

Description Next-hop router.

Contents <name>—Next-hop router.

<next-hop> (configuration/policy-options/policy-statement/term/ from/prefix-list-filter)

Usage

```

<configuration>
  <policy-options>
    <policy-statement>
      <term>
        <from>
          <prefix-list-filter>
            <next-hop>
              <self/>
              <peer-address/>
              <address>address</address>
              <reject/>
              <discard/>
              <next-table>next-table</next-table>
            </next-hop>
          </prefix-list-filter>
        </from>
      </term>
    </policy-statement>
  </policy-options>
</configuration>

```

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

<discard>—Use a discard next hop.

<next-table>—Perform a forwarding lookup in the specified table.

<peer-address>—Use the remote peer address as the next-hop address.

<reject>—Use a reject next hop.

<self>—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/term/ from/route-filter)

Usage

```

<configuration>
  <policy-options>
    <policy-statement>
      <term>
        <from>
          <route-filter>
            <next-hop>
              <self/>
              <peer-address/>
              <address>address</address>
              <reject/>
              <discard/>
              <next-table>next-table</next-table>
            </next-hop>
          </route-filter>
        </from>
      </term>
    </policy-statement>
  </policy-options>
</configuration>

```

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

<discard>—Use a discard next hop.

<next-table>—Perform a forwarding lookup in the specified table.

<peer-address>—Use the remote peer address as the next-hop address.

<reject>—Use a reject next hop.

<self>—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/term/ from/source-address-filter)

Usage <configuration>
 <policy-options>
 <policy-statement>
 <term>
 <from>
 <source-address-filter>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </source-address-filter>
 </from>
 </term>
 </policy-statement>
 </policy-options>
 </configuration>

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

 <discard>—Use a discard next hop.

 <next-table>—Perform a forwarding lookup in the specified table.

 <peer-address>—Use the remote peer address as the next-hop address.

 <reject>—Use a reject next hop.

 <self>—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/term/then)

Usage

```

<configuration>
  <policy-options>
    <policy-statement>
      <term>
        <then>
          <next-hop>
            <self/>
            <peer-address/>
            <address>address</address>
            <reject/>
            <discard/>
            <next-table>next-table</next-table>
          </next-hop>
        </then>
      </term>
    </policy-statement>
  </policy-options>
</configuration>

```

Description Set the address of the next-hop router.

Contents <address>—Next-hop address.

<discard>—Use a discard next hop.

<next-table>—Perform a forwarding lookup in the specified table.

<peer-address>—Use the remote peer address as the next-hop address.

<reject>—Use a reject next hop.

<self>—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/term/to)

Usage `<configuration>
 <policy-options>
 <policy-statement>
 <term>
 <to>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </to>
 </term>
 </policy-statement>
 </policy-options>
</configuration>`

Description Next-hop router.

Contents `<name>`—Next-hop router.

<next-hop> (configuration/policy-options/policy-statement/then)

Usage `<configuration>
 <policy-options>
 <policy-statement>
 <then>
 <next-hop>
 <self/>
 <peer-address/>
 <address>address</address>
 <reject/>
 <discard/>
 <next-table>next-table</next-table>
 </next-hop>
 </then>
 </policy-statement>
 </policy-options>
</configuration>`

Description Set the address of the next-hop router.

Contents `<address>`—Next-hop address.

`<discard>`—Use a discard next hop.

`<next-table>`—Perform a forwarding lookup in the specified table.

`<peer-address>`—Use the remote peer address as the next-hop address.

`<reject>`—Use a reject next hop.

`<self>`—Use a local address as the next-hop address.

<next-hop> (configuration/policy-options/policy-statement/to)

Usage	<pre><configuration> <policy-options> <policy-statement> <to> <next-hop> <name>name</name> <!-- identifier --> </next-hop> </to> </policy-statement> </policy-options> </configuration></pre>
Description	Next-hop router.
Contents	<name>—Next-hop router.

<next-hop> (configuration/protocols/ldp)

Usage	<pre><configuration> <protocols> <ldp> <next-hop> <merged>...</merged> </next-hop> </ldp> </protocols> </configuration></pre>
Description	LDP next-hop control.
Contents	<merged>—Merged next hop.

<next-hop> (configuration/routing-instances/instance/forwarding-options/next-hop-group/interface)

Usage `<configuration>
 <routing-instances>
 <instance>
 <forwarding-options>
 <next-hop-group>
 <interface>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </interface>
 </next-hop-group>
 </forwarding-options>
 </instance>
 </routing-instances>
</configuration>`

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/routing-instances/instance/forwarding-options/port-mirroring/family/inet/output/interface)

Usage `<configuration>
 <routing-instances>
 <instance>
 <forwarding-options>
 <port-mirroring>
 <family>
 <inet>
 <output>
 <interface>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </interface>
 </output>
 </inet>
 </family>
 </port-mirroring>
 </forwarding-options>
 </instance>
 </routing-instances>
</configuration>`

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/routing-instances/instance/forwarding-options/port-mirroring/family/inet6/output/interface)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <port-mirroring>
          <family>
            <inet6>
              <output>
                <interface>
                  <next-hop>
                    <name>name</name>    <!-- identifier -->
                  </next-hop>
                </interface>
              </output>
            </inet6>
          </family>
        </port-mirroring>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet/output/interface)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <port-mirroring>
          <instance>
            <family>
              <inet>
                <output>
                  <interface>
                    <next-hop>
                      <name>name</name>    <!-- identifier -->
                    </next-hop>
                  </interface>
                </output>
              </inet>
            </family>
          </instance>
        </port-mirroring>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/routing-instances/instance/forwarding-options/port-mirroring/instance/family/inet6/output/interface)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <port-mirroring>
          <instance>
            <family>
              <inet6>
                <output>
                  <interface>
                    <next-hop>
                      <name>name</name>    <!-- identifier -->
                    </next-hop>
                  </interface>
                </output>
              </inet6>
            </family>
          </instance>
        </port-mirroring>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

Description Address of next hop through which to send sampled traffic.

Contents <name>—No documentation is available yet.

<next-hop> (configuration/routing-instances/instance/protocols/ldp)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ldp>
          <next-hop>
            <merged>...</merged>
          </next-hop>
        </ldp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

Description LDP next-hop control.

Contents <merged>—Merged next hop.

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

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

Description Next hop to destination.

Contents <name>—Next hop to destination.

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

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

Description Next hop to destination.

Contents <name>—Next hop to destination.

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

Usage <configuration>
 <routing-instances>
 <instance>
 <routing-options>
 <static>
 <iso-route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </iso-route>
 </static>
 </routing-options>
 </instance>
 </routing-instances>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop> (configuration/routing-instances/instance/routing-options/static/route)

Usage <configuration>
 <routing-instances>
 <instance>
 <routing-options>
 <static>
 <route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </route>
 </static>
 </routing-options>
 </instance>
 </routing-instances>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop> (configuration/routing-options/rib/static/iso-route)

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

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop> (configuration/routing-options/rib/static/route)

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

Description Next hop to destination.

Contents <name>—Next hop to destination.

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

Usage <configuration>
 <routing-options>
 <static>
 <iso-route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </iso-route>
 </static>
 </routing-options>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

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

Usage <configuration>
 <routing-options>
 <static>
 <route>
 <next-hop>
 <name>name</name> <!-- identifier -->
 </next-hop>
 </route>
 </static>
 </routing-options>
 </configuration>

Description Next hop to destination.

Contents <name>—Next hop to destination.

<next-hop-group> (configuration/firewall/load-balance-group)

Usage <configuration>
 <firewall>
 <load-balance-group>
 <next-hop-group>
 <name>name</name> <!-- identifier -->
 </next-hop-group>
 </load-balance-group>
 </firewall>
 </configuration>

Description Use specified next-hop group.

Contents <name>—Use specified next-hop group.

<next-hop-group> (configuration/forwarding-options)

- Usage** `<configuration>`
 `<forwarding-options>`
 <next-hop-group>
 `<name>name</name>` <!-- identifier -->
 `<interface>...</interface>`
 </next-hop-group>
 `</forwarding-options>`
 `</configuration>`
- Description** Next hop group forwarding option.
- Contents** `<interface>`—Interfaces through which to send sampled traffic.
 `<name>`—Next hop group name.

<next-hop-group> (configuration/logical-systems/firewall/load-balance-group)

- Usage** `<configuration>`
 `<logical-systems>`
 `<firewall>`
 `<load-balance-group>`
 <next-hop-group>
 `<name>name</name>` <!-- identifier -->
 </next-hop-group>
 `</load-balance-group>`
 `</firewall>`
 `</logical-systems>`
 `</configuration>`
- Description** Use specified next-hop group.
- Contents** `<name>`—Use specified next-hop group.

<next-hop-group> (configuration/logical-systems/ routing-instances/instance/forwarding-options)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <forwarding-options>
 <next-hop-group>
 <name>*name*</name> <!-- identifier -->
 <interface>...</interface>
 </next-hop-group>
 </forwarding-options>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Next hop group forwarding option.

Contents <interface>—Interfaces through which to send sampled traffic.
 <name>—Next hop group name.

<next-hop-group> (configuration/routing-instances/instance/ forwarding-options)

Usage <configuration>
 <routing-instances>
 <instance>
 <forwarding-options>
 <next-hop-group>
 <name>*name*</name> <!-- identifier -->
 <interface>...</interface>
 </next-hop-group>
 </forwarding-options>
 </instance>
 </routing-instances>
 </configuration>

Description Next hop group forwarding option.

Contents <interface>—Interfaces through which to send sampled traffic.
 <name>—Next hop group name.

<next-hop-map> (configuration/class-of-service/forwarding-policy)

Usage <configuration>
 <class-of-service>
 <forwarding-policy>
 <next-hop-map>
 <name>*name*</name> <!-- identifier -->
 <forwarding-class>...</forwarding-class>
 </next-hop-map>
 </forwarding-policy>
 </class-of-service>
 </configuration>

Description Class-of-service next-hop map.

Contents <forwarding-class>—Forwarding class from which to map.
 <name>—Name to identify next-hop map.

<next-hop-map> (configuration/dynamic-profiles/class-of-service/forwarding-policy)

Usage <configuration>
 <dynamic-profiles>
 <class-of-service>
 <forwarding-policy>
 <next-hop-map>
 <name>*name*</name> <!-- identifier -->
 <forwarding-class>...</forwarding-class>
 </next-hop-map>
 </forwarding-policy>
 </class-of-service>
 </dynamic-profiles>
 </configuration>

Description Class-of-service next-hop map.

Contents <forwarding-class>—Forwarding class from which to map.
 <name>—Name to identify next-hop map.

<next-hop-service> (configuration/services/service-set)

Usage <configuration>
 <services>
 <service-set>
 <next-hop-service>
 <inside-service-interface>*inside-service-interface*
 </inside-service-interface>
 <outside-service-interface>*outside-service-interface*
 </outside-service-interface>
 <service-interface-pool>*service-interface-pool*</service-interface-pool>
 </next-hop-service>
 </service-set>
 </services>
</configuration>

Description Define parameters for next-hop service sets.

Contents <inside-service-interface>—Service interface to inside network.
 <outside-service-interface>—Service interface to outside network.
 <service-interface-pool>—Service interface pool name.

<next-hop-tunnel> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <unit>
 <family>
 <inet>
 <next-hop-tunnel>
 <name>*name*</name> <!-- identifier -->
 <ipsec-vpn>*ipsec-vpn*</ipsec-vpn> <!-- mandatory -->
 </next-hop-tunnel>
 </inet>
 </family>
 </unit>
 </interface>
 </interfaces>
 </dynamic-profiles>
</configuration>

Description One or more next-hop tunnel tables.

Contents <ipsec-vpn>—Name of IPSec VPN.
 <name>—Next-hop tunnel gateway address.

<next-hop-tunnel> (configuration/interfaces/interface/unit/family/inet)

Usage <configuration>
 <interfaces>
 <interface>
 <unit>
 <family>
 <inet>
 <next-hop-tunnel>
 <name>*name*</name> <!-- identifier -->
 <ipsec-vpn>*ipsec-vpn*</ipsec-vpn> <!-- mandatory -->
 </next-hop-tunnel>
 </inet>
 </family>
 </unit>
 </interface>
 </interfaces>
 </configuration>

Description One or more next-hop tunnel tables.

Contents <ipsec-vpn>—Name of IPSec VPN.

<name>—Next-hop tunnel gateway address.

<next-hop-tunnel> (configuration/logical-systems/interfaces/interface/unit/family/inet)

Usage <configuration>
 <logical-systems>
 <interfaces>
 <interface>
 <unit>
 <family>
 <inet>
 <next-hop-tunnel>
 <name>*name*</name> <!-- identifier -->
 <ipsec-vpn>*ipsec-vpn*</ipsec-vpn> <!-- mandatory -->
 </next-hop-tunnel>
 </inet>
 </family>
 </unit>
 </interface>
 </logical-systems>
 </configuration>

Description One or more next-hop tunnel tables.

Contents <ipsec-vpn>—Name of IPSec VPN.

<name>—Next-hop tunnel gateway address.

<nexthop-options> (configuration/services/flow-monitoring/version9/template/ipv4-template)

Usage <configuration>
 <services>
 <flow-monitoring>
 <version9>
 <template>
 <ipv4-template>
 <nexthop-options>
 <mpls>...</mpls>
 </nexthop-options>
 </ipv4-template>
 </template>
 </version9>
 </flow-monitoring>
 </services>
 </configuration>

Description Additional information retrieved from nexthop.

Contents <mpls>—MPLS information retrieved from nexthop.

<no-credit-control-user> (configuration/services/ggsn/apn/service-based-charging/credit-control/query-cc-as)

Usage <configuration>
 <services>
 <ggsn>
 <apn>
 <service-based-charging>
 <credit-control>
 <query-cc-as>
 <no-credit-control-user>
 <cc>cc</cc> <!-- mandatory -->
 <user-category>user-category</user-category> <!-- mandatory -->
 </no-credit-control-user>
 </query-cc-as>
 </credit-control>
 </service-based-charging>
 </apn>
 </ggsn>
 </services>
 </configuration>

Description Settings to use if CC-AS forbids use credit control.

Contents <cc>—Charging characteristics.

<user-category>—User category.

<no-credit-control-user> (configuration/services/ggsn/apn/service-based-charging/credit-control/query-ocs)

Usage <configuration>
 <services>
 <ggsn>
 <apn>
 <service-based-charging>
 <credit-control>
 <query-ocs>
 <no-credit-control-user>
 <cc>cc</cc> <!-- mandatory -->
 </no-credit-control-user>
 </query-ocs>
 </credit-control>
 </service-based-charging>
 </apn>
 </ggsn>
 </services>
</configuration>

Description Settings to use if OCS disables credit control for the user.

Contents <cc>—Charging characteristics.

<no-inspection> (configuration/services/ggsn/apn/service-based-charging/packet-inspection)

Usage <configuration>
 <services>
 <ggsn>
 <apn>
 <service-based-charging>
 <packet-inspection>
 <no-inspection>
 <service-class-default>service-class-default
 </service-class-default> <!-- mandatory -->
 </no-inspection>
 </packet-inspection>
 </service-based-charging>
 </apn>
 </ggsn>
 </services>
</configuration>

Description Service classification without packet inspection.

Contents <service-class-default>—Service class applied to all traffic on this APN.

<no-martian-address-test> (configuration)

Usage <configuration>
 <no-martian-address-test>
 <address>...</address>
 </no-martian-address-test>
 </configuration>

Description No documentation is available yet.

Contents <address>—Do not accept martian address.

<no-partition> (configuration/dynamic-profiles/interfaces/interface)

Usage <configuration>
 <dynamic-profiles>
 <interfaces>
 <interface>
 <no-partition>
 <interface-type>*interface-type-choice*</interface-type>
 </no-partition>
 </interface>
 </interfaces>
 </dynamic-profiles>
 </configuration>

Description Use channelizable interface as clear channel.

Contents <interface-type>—Interface type.

- cau4—CAU4 interface.
- ct3—Channelized T3 interface.
- e1—E1 interface.
- e3—E3 interface.
- so—SONET interface.
- t1—T1 interface.
- t3—T3 interface.

<no-partition> (configuration/interfaces/interface)

Usage	<pre> <configuration> <interfaces> <interface> <no-partition> <interface-type>interface-type-choice</interface-type> </no-partition> </interface> </interfaces> </configuration> </pre>
Description	Use channelizable interface as clear channel.
Contents	<p><interface-type>—Interface type.</p> <ul style="list-style-type: none"> ■ cau4—CAU4 interface. ■ ct3—Channelized T3 interface. ■ e1—E1 interface. ■ e3—E3 interface. ■ so—SONET interface. ■ t1—T1 interface. ■ t3—T3 interface.

<no-quota-handling> (configuration/services/ggsn/rule-space/quota-handling)

Usage	<pre> <configuration> <services> <ggsn> <rule-space> <quota-handling> <no-quota-handling> <name>name</name> <!-- identifier --> </no-quota-handling> </quota-handling> </rule-space> </ggsn> </services> </configuration> </pre>
Description	Rating group for which quota shall not be requested.
Contents	<name>—Rating group for which quota shall not be requested.

<no-remove-for-service-identifiers> (configuration/services/ggsn/rule-space/redirect-with-acknowledgement/remove-acknowledgement)

Usage <configuration>
 <services>
 <ggsn>
 <rule-space>
 <redirect-with-acknowledgement>
 <remove-acknowledgement>
 <no-remove-for-service-identifiers>
 <name>name</name> <!-- identifier -->
 </no-remove-for-service-identifiers>
 </remove-acknowledgement>
 </redirect-with-acknowledgement>
 </rule-space>
 </ggsn>
 </services>
 </configuration>

Description Do not remove acknowledgement parameter for Service identifiers.

Contents <name>—Do not remove acknowledgement parameter for Service identifiers.

<no-trap> (configuration/logical-systems/protocols/mpls/log-updown)

Usage <configuration>
 <logical-systems>
 <protocols>
 <mpls>
 <log-updown>
 <no-trap>
 <mpls-lsp-traps/>
 <rfc3812-traps/>
 </no-trap>
 </log-updown>
 </mpls>
 </protocols>
 </logical-systems>
 </configuration>

Description Don't send SNMP traps.

Contents <mpls-lsp-traps>—Dont send mpls lsp up/down traps.

 <rfc3812-traps>—Dont send rfc3812 traps.

<no-trap> (configuration/protocols/mpls/log-updown)

- Usage** <configuration>
 <protocols>
 <mpls>
 <log-updown>
 <no-trap>
 <mpls-lsp-traps/>
 <rfc3812-traps/>
 </no-trap>
 </log-updown>
 </mpls>
 </protocols>
 </configuration>
- Description** Don't send SNMP traps.
- Contents** <mpls-lsp-traps>—Dont send mpls lsp up/down traps.
 <rfc3812-traps>—Dont send rfc3812 traps.

<no-valid-answer> (configuration/services/ggsn/apn/service-based-charging/credit-control/query-ocs)

- Usage** <configuration>
 <services>
 <ggsn>
 <apn>
 <service-based-charging>
 <credit-control>
 <query-ocs>
 <no-valid-answer>
 <cc>cc</cc> <!-- mandatory -->
 </no-valid-answer>
 </query-ocs>
 </credit-control>
 </service-based-charging>
 </apn>
 </ggsn>
 </services>
 </configuration>
- Description** Settings to use if no valid answer is received from the OCS.
- Contents** <cc>—Charging characteristics.

<no-validate> (configuration/logical-systems/protocols/bgp/family/inet/flow)

Usage <configuration>
 <logical-systems>
 <protocols>
 <bgp>
 <family>
 <inet>
 <flow>
 <no-validate>
 <name>name</name> <!-- identifier -->
 </no-validate>
 </flow>
 </inet>
 </family>
 </bgp>
 </protocols>
 </logical-systems>
 </configuration>

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/logical-systems/protocols/bgp/group/family/inet/flow)

Usage <configuration>
 <logical-systems>
 <protocols>
 <bgp>
 <group>
 <family>
 <inet>
 <flow>
 <no-validate>
 <name>name</name> <!-- identifier -->
 </no-validate>
 </flow>
 </inet>
 </family>
 </group>
 </bgp>
 </protocols>
 </logical-systems>
 </configuration>

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet/flow)

Usage

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <flow>
                  <no-validate>
                    <name>name</name>    <!-- identifier -->
                  </no-validate>
                </flow>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet/flow)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <bgp>
 <family>
 <inet>
 <flow>
 <no-validate>
 <name>*name*</name> <!-- identifier -->
 </no-validate>
 </flow>
 </inet>
 </family>
 </bgp>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet/flow)

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <bgp>
 <group>
 <family>
 <inet>
 <flow>
 <no-validate>
 <name>name</name> <!-- identifier -->
 </no-validate>
 </flow>
 </inet>
 </family>
 </group>
 </bgp>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet/flow)

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet>
                    <flow>
                      <no-validate>
                        <name>name</name>    <!-- identifier -->
                      </no-validate>
                    </flow>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/protocols/bgp/family/inet/flow)

Usage <configuration>
 <protocols>
 <bgp>
 <family>
 <inet>
 <flow>
 <no-validate>
 <name>*name*</name> <!-- identifier -->
 </no-validate>
 </flow>
 </inet>
 </family>
 </bgp>
 </protocols>
 </configuration>

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/protocols/bgp/group/family/inet/flow)

Usage <configuration>
 <protocols>
 <bgp>
 <group>
 <family>
 <inet>
 <flow>
 <no-validate>
 <name>*name*</name> <!-- identifier -->
 </no-validate>
 </flow>
 </inet>
 </family>
 </group>
 </bgp>
 </protocols>
 </configuration>

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/protocols/bgp/group/neighbor/family/inet/flow)

Usage

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet>
              <flow>
                <no-validate>
                  <name>name</name>    <!-- identifier -->
                </no-validate>
              </flow>
            </inet>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/routing-instances/instance/protocols/bgp/family/inet/flow)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet>
              <flow>
                <no-validate>
                  <name>name</name>    <!-- identifier -->
                </no-validate>
              </flow>
            </inet>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/routing-instances/instance/protocols/bgp/group/family/inet/flow)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet>
                <flow>
                  <no-validate>
                    <name>name</name>    <!-- identifier -->
                  </no-validate>
                </flow>
              </inet>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<no-validate> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet/flow)

Usage

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet>
                  <flow>
                    <no-validate>
                      <name>name</name>    <!-- identifier -->
                    </no-validate>
                  </flow>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

Description Bypass validation procedure for routes that match policy.

Contents <name>—Bypass validation procedure for routes that match policy.

<nonvolatile> (configuration/snmp)

Usage

```

<configuration>
  <snmp>
    <nonvolatile>
      <commit-delay>seconds</commit-delay>
    </nonvolatile>
  </snmp>
</configuration>

```

Description Configure the handling of nonvolatile SNMP Set requests.

Contents <commit-delay>—Delay between affirmative SNMP Set reply and start of commit.

<normal-mg-execution-time> (configuration/services/pgcp/gateway/h248-properties/base-root)

Usage <configuration>
 <services>
 <pgcp>
 <gateway>
 <h248-properties>
 <base-root>
 <normal-mg-execution-time>
 <default>milliseconds</default>
 </normal-mg-execution-time>
 </base-root>
 </h248-properties>
 </gateway>
 </pgcp>
 </services>
</configuration>

Description MG transaction response time expected by MGC.

Contents <default>—No documentation is available yet.

<normal-mgc-execution-time> (configuration/services/pgcp/gateway/h248-properties/base-root)

Usage <configuration>
 <services>
 <pgcp>
 <gateway>
 <h248-properties>
 <base-root>
 <normal-mgc-execution-time>
 <default>milliseconds</default>
 </normal-mgc-execution-time>
 </base-root>
 </h248-properties>
 </gateway>
 </pgcp>
 </services>
</configuration>

Description MGC transaction response time expected by MG.

Contents <default>—No documentation is available yet.

<not> (configuration/event-options/policy/within)

Usage	<pre> <configuration> <event-options> <policy> <within> <not> <events>...</events> </not> </within> </policy> </event-options> </configuration> </pre>
Description	Events must not occur within time interval.
Contents	<events>—List of events that must not occur within time interval.

<not-allowed> (configuration/services/ggsn/rule-space/rating-group)

Usage	<pre> <configuration> <services> <ggsn> <rule-space> <rating-group> <not-allowed> <name>name</name> <!-- identifier --> </not-allowed> </rating-group> </rule-space> </ggsn> </services> </configuration> </pre>
Description	Access to rating group not allowed.
Contents	<name>—Access to rating group not allowed.

<not-contains> (configuration/services/ggsn/service-identification/dns-rule/term/from/dns/answer-name)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <dns-rule>
 <term>
 <from>
 <dns>
 <answer-name>
 <not-contains>
 <name>*name*</name> <!-- identifier -->
 </not-contains>
 </answer-name>
 </dns>
 </from>
 </term>
 </dns-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/dns-rule/term/from/dns/query-name)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <dns-rule>
          <term>
            <from>
              <dns>
                <query-name>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </query-name>
              </dns>
            </from>
          </term>
        </dns-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/ftp-rule/term/from/ftp/filename)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <ftp-rule>
          <term>
            <from>
              <ftp>
                <filename>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </filename>
              </ftp>
            </from>
          </term>
        </ftp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <content-type>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </content-type>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/header/host)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <http-wsp-rule>
 <term>
 <from>
 <http>
 <header>
 <host>
 <not-contains>
 <name>*name*</name> <!-- identifier -->
 </not-contains>
 </host>
 </header>
 </http>
 </from>
 </term>
 </http-wsp-rule>
 </service-identification>
 </ggsn>
</services>
</configuration>

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

**<not-contains> (configuration/services/ggsn/
service-identification/http-wsp-rule/term/from/mms/mms-retrieve/
mm-origin)**

Usage

```
<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <mms>
                <mms-retrieve>
                  <mm-origin>
                    <not-contains>
                      <name>name</name>    <!-- identifier -->
                    </not-contains>
                  </mm-origin>
                </mms-retrieve>
              </mms>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>
```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/mms/mms-send/any-mms-destination)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <http-wsp-rule>
 <term>
 <from>
 <mms>
 <mms-send>
 <any-mms-destination>
 <not-contains>
 <name>name</name> <!-- identifier -->
 </not-contains>
 </any-mms-destination>
 </mms-send>
 </mms>
 </from>
 </term>
 </http-wsp-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/uri)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <uri>
                <not-contains>
                  <name>name</name>    <!-- identifier -->
                </not-contains>
              </uri>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/wsp/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <wsp>
                <content-type>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </content-type>
              </wsp>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/pop3-rule/term/from/pop3/user)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <pop3-rule>
          <term>
            <from>
              <pop3>
                <user>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </user>
              </pop3>
            </from>
          </term>
        </pop3-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/rtsp-rule/term/from/rtsp/uri)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <rtsp-rule>
          <term>
            <from>
              <rtsp>
                <uri>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </uri>
              </rtsp>
            </from>
          </term>
        </rtsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip/request-uri)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <request-uri>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </request-uri>
              </sip>
            </from>
          </term>
        </sip-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip/via)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <via>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </via>
              </sip>
            </from>
          </term>
        </sip-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

**<not-contains> (configuration/services/ggsn/
service-identification/smtp-rule/term/from/smtp/sender)**

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <smtp-rule>
 <term>
 <from>
 <smtp>
 <sender>
 <not-contains>
 <name>*name*</name> <!-- identifier -->
 </not-contains>
 </sender>
 </smtp>
 </from>
 </term>
 </smtp-rule>
 </service-identification>
 </ggsn>
 </services>
</configuration>

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

<not-contains> (configuration/services/ggsn/service-identification/tftp-rule/term/from/tftp/filename)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <tftp-rule>
          <term>
            <from>
              <tftp>
                <filename>
                  <not-contains>
                    <name>name</name>    <!-- identifier -->
                  </not-contains>
                </filename>
              </tftp>
            </from>
          </term>
        </tftp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Doesn't match a substring.

Contents <name>—Doesn't match a substring.

**<not-ends-with> (configuration/services/ggsn/
service-identification/dns-rule/term/from/dns/query-name)**

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <dns-rule>
 <term>
 <from>
 <dns>
 <query-name>
 <not-ends-with>
 <name>name</name> <!-- identifier -->
 </not-ends-with>
 </query-name>
 </dns>
 </from>
 </term>
 </dns-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/ service-identification/http-wsp-rule/term/from/http/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <content-type>
                  <not-ends-with>
                    <name>name</name>    <!-- identifier -->
                  </not-ends-with>
                </content-type>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/header/host)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <header>
                  <host>
                    <not-ends-with>
                      <name>name</name>    <!-- identifier -->
                    </not-ends-with>
                  </host>
                </header>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/mms/mms-retrieve/mm-origin)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <http-wsp-rule>
 <term>
 <from>
 <mms>
 <mms-retrieve>
 <mm-origin>
 <not-ends-with>
 <name>name</name> <!-- identifier -->
 </not-ends-with>
 </mm-origin>
 </mms-retrieve>
 </mms>
 </from>
 </term>
 </http-wsp-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description End doesn't match.

Contents <name>—End doesn't match.

**<not-ends-with> (configuration/services/ggsn/
service-identification/http-wsp-rule/term/from/uri)**

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <http-wsp-rule>
 <term>
 <from>
 <uri>
 <not-ends-with>
 <name>name</name> <!-- identifier -->
 </not-ends-with>
 </uri>
 </from>
 </term>
 </http-wsp-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/ service-identification/http-wsp-rule/term/from/wsp/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <wsp>
                <content-type>
                  <not-ends-with>
                    <name>name</name>    <!-- identifier -->
                  </not-ends-with>
                </content-type>
              </wsp>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/service-identification/pop3-rule/term/from/pop3/user)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <pop3-rule>
          <term>
            <from>
              <pop3>
                <user>
                  <not-ends-with>
                    <name>name</name>    <!-- identifier -->
                  </not-ends-with>
                </user>
              </pop3>
            </from>
          </term>
        </pop3-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/service-identification/rtsp-rule/term/from/rtsp/uri)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <rtsp-rule>
          <term>
            <from>
              <rtsp>
                <uri>
                  <not-ends-with>
                    <name>name</name>    <!-- identifier -->
                  </not-ends-with>
                </uri>
              </rtsp>
            </from>
          </term>
        </rtsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip/request-uri)

Usage

```
<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <request-uri>
                  <not-ends-with>
                    <name>name</name>    <!-- identifier -->
                  </not-ends-with>
                </request-uri>
              </sip>
            </from>
          </term>
        </sip-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>
```

Description End doesn't match.

Contents <name>—End doesn't match.

**<not-ends-with> (configuration/services/ggsn/
service-identification/sip-rule/term/from/sip/via)**

```
Usage  <configuration>
      <services>
      <ggsn>
      <service-identification>
      <sip-rule>
      <term>
      <from>
      <sip>
      <via>
      <not-ends-with>
      <name>name</name>    <!-- identifier -->
      </not-ends-with>
      </via>
      </sip>
      </from>
      </term>
      </sip-rule>
      </service-identification>
      </ggsn>
      </services>
      </configuration>
```

Description End doesn't match.

Contents <name>—End doesn't match.

**<not-ends-with> (configuration/services/ggsn/
service-identification/smtp-rule/term/from/smtp/sender)**

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <smtp-rule>
 <term>
 <from>
 <smtp>
 <sender>
 <not-ends-with>
 <name>name</name> <!-- identifier -->
 </not-ends-with>
 </sender>
 </smtp>
 </from>
 </term>
 </smtp-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description End doesn't match.

Contents <name>—End doesn't match.

<not-ends-with> (configuration/services/ggsn/service-identification/tftp-rule/term/from/tftp/filename)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <tftp-rule>
          <term>
            <from>
              <tftp>
                <filename>
                  <not-ends-with>
                    <name>name</name>    <!-- identifier -->
                  </not-ends-with>
                </filename>
              </tftp>
            </from>
          </term>
        </tftp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description End doesn't match.

Contents <name>—End doesn't match.

<not-is> (configuration/services/ggsn/service-identification/dns-rule/term/from/dns/query-name)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <dns-rule>
 <term>
 <from>
 <dns>
 <query-name>
 <not-is>
 <name>name</name> <!-- identifier -->
 </not-is>
 </query-name>
 </dns>
 </from>
 </term>
 </dns-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <content-type>
                  <not-is>
                    <name>name</name>    <!-- identifier -->
                  </not-is>
                </content-type>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/header/host)

Usage

```
<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <header>
                  <host>
                    <not-is>
                      <name>name</name>    <!-- identifier -->
                    </not-is>
                  </host>
                </header>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>
```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/mms/mms-retrieve/mm-origin)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <mms>
                <mms-retrieve>
                  <mm-origin>
                    <not-is>
                      <name>name</name>    <!-- identifier -->
                    </not-is>
                  </mm-origin>
                </mms-retrieve>
              </mms>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/uri)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <uri>
                <not-is>
                  <name>name</name>    <!-- identifier -->
                </not-is>
              </uri>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/wsp/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <wsp>
                <content-type>
                  <not-is>
                    <name>name</name>    <!-- identifier -->
                  </not-is>
                </content-type>
              </wsp>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/pop3-rule/term/from/pop3/user)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <pop3-rule>
          <term>
            <from>
              <pop3>
                <user>
                  <not-is>
                    <name>name</name>    <!-- identifier -->
                  </not-is>
                </user>
              </pop3>
            </from>
          </term>
        </pop3-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/ rtsp-rule/term/from/rtsp/uri)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <rtsp-rule>
 <term>
 <from>
 <rtsp>
 <uri>
 <not-is>
 <name>name</name> <!-- identifier -->
 </not-is>
 </uri>
 </rtsp>
 </from>
 </term>
 </rtsp-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip/request-uri)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <request-uri>
                  <not-is>
                    <name>name</name>    <!-- identifier -->
                  </not-is>
                </request-uri>
              </sip>
            </from>
          </term>
        </sip-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/smtp-rule/term/from/smtp/sender)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <smtp-rule>
          <term>
            <from>
              <smtp>
                <sender>
                  <not-is>
                    <name>name</name>    <!-- identifier -->
                  </not-is>
                </sender>
              </smtp>
            </from>
          </term>
        </smtp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-is> (configuration/services/ggsn/service-identification/tftp-rule/term/from/tftp/filename)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <tftp-rule>
          <term>
            <from>
              <tftp>
                <filename>
                  <not-is>
                    <name>name</name>    <!-- identifier -->
                  </not-is>
                </filename>
              </tftp>
            </from>
          </term>
        </tftp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Exclude exact match.

Contents <name>—Exclude exact match.

<not-starts-with> (configuration/services/ggsn/service-identification/dns-rule/term/from/dns/query-name)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <dns-rule>
          <term>
            <from>
              <dns>
                <query-name>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </query-name>
              </dns>
            </from>
          </term>
        </dns-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <content-type>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </content-type>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/http/header/host)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <http>
                <header>
                  <host>
                    <not-starts-with>
                      <name>name</name>    <!-- identifier -->
                    </not-starts-with>
                  </host>
                </header>
              </http>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/mms/mms-retrieve/mm-origin)

Usage

```
<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <mms>
                <mms-retrieve>
                  <mm-origin>
                    <not-starts-with>
                      <name>name</name>    <!-- identifier -->
                    </not-starts-with>
                  </mm-origin>
                </mms-retrieve>
              </mms>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>
```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/uri)

Usage <configuration>
 <services>
 <ggsn>
 <service-identification>
 <http-wsp-rule>
 <term>
 <from>
 <uri>
 <not-starts-with>
 <name>name</name> <!-- identifier -->
 </not-starts-with>
 </uri>
 </from>
 </term>
 </http-wsp-rule>
 </service-identification>
 </ggsn>
 </services>
 </configuration>

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/http-wsp-rule/term/from/wsp/content-type)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <http-wsp-rule>
          <term>
            <from>
              <wsp>
                <content-type>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </content-type>
              </wsp>
            </from>
          </term>
        </http-wsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/pop3-rule/term/from/pop3/user)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <pop3-rule>
          <term>
            <from>
              <pop3>
                <user>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </user>
              </pop3>
            </from>
          </term>
        </pop3-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/rtsp-rule/term/from/rtsp/uri)

Usage

```
<configuration>
  <services>
    <ggsn>
      <service-identification>
        <rtsp-rule>
          <term>
            <from>
              <rtsp>
                <uri>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </uri>
              </rtsp>
            </from>
          </term>
        </rtsp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>
```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip/request-uri)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <request-uri>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </request-uri>
              </sip>
            </from>
          </term>
        </sip-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip/via)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <via>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </via>
              </sip>
            </from>
          </term>
        </sip-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/smtp-rule/term/from/smtp/sender)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <smtp-rule>
          <term>
            <from>
              <smtp>
                <sender>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </sender>
              </smtp>
            </from>
          </term>
        </smtp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

<not-starts-with> (configuration/services/ggsn/service-identification/tftp-rule/term/from/tftp/filename)

Usage

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <tftp-rule>
          <term>
            <from>
              <tftp>
                <filename>
                  <not-starts-with>
                    <name>name</name>    <!-- identifier -->
                  </not-starts-with>
                </filename>
              </tftp>
            </from>
          </term>
        </tftp-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

Description Beginning doesn't match.

Contents <name>—Beginning doesn't match.

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

Usage

```

<configuration>
  <services>
    <pgcp>
      <gateway>
        <h248-properties>
          <notification-behavior>
            <notification-regulation>...</notification-regulation>
          </notification-behavior>
        </h248-properties>
      </gateway>
    </pgcp>
  </services>
</configuration>

```

Description Setting of h248 Notify behavior values.

Contents <notification-regulation>—No documentation is available yet.

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

Usage <configuration>
 <services>
 <pgcp>
 <gateway>
 <h248-properties>
 <notification-behavior>
 <notification-regulation>
 <default>default</default>
 </notification-regulation>
 </notification-behavior>
 </h248-properties>
 </gateway>
 </pgcp>
 </services>
</configuration>

Description No documentation is available yet.

Contents <default>—Default suppression percentage of Notification behavior Regulation .

<notification-targets> (configuration/services/dynamic-flow-capture/capture-group/control-source)

Usage <configuration>
 <services>
 <dynamic-flow-capture>
 <capture-group>
 <control-source>
 <notification-targets>
 <name>name</name> <!-- identifier -->
 <port>port</port> <!-- mandatory -->
 </notification-targets>
 </control-source>
 </capture-group>
 </dynamic-flow-capture>
 </services>
</configuration>

Description Notification target list.

Contents <name>—Notification target IP address.

 <port>—Notification target port.

<notify> (configuration/snmp/v3)

Usage <configuration>
 <snmp>
 <v3>
 <notify>
 <name>name</name> <!-- identifier -->
 <type>type-choice</type>
 <tag>tag</tag>
 </notify>
 </v3>
 </snmp>
 </configuration>

Description Used to select management targets for notifications as well as the type of notifications.

Contents <name>—Notify name.

<tag>—Notifications will be sent to all targets configured with this tag.

<type>—Notification type.

- inform—Inform request.
- trap—SNMP trap.

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

Usage <configuration>
 <snmp>
 <v3>
 <notify-filter>
 <name>name</name> <!-- identifier -->
 <oid>...</oid>
 </notify-filter>
 </v3>
 </snmp>
 </configuration>

Description Filters to apply to SNMP notifications.

Contents <name>—SNMP profile name in the notify filter table.

<oid>—OID include/exclude list.

<notify-filter> (configuration/snmp/v3/target-parameters)

Usage <configuration>
 <snmp>
 <v3>
 <target-parameters>
 <notify-filter>
 <filter>*filter*</filter>
 </notify-filter>
 </target-parameters>
 </v3>
 </snmp>
 </configuration>

Description Notify filter to apply to notifications.

Contents <filter>—Filter name to apply to notifications.

<npc> (configuration/chassis/ioc-npc-connectivity/ioc)

Usage <configuration>
 <chassis>
 <ioc-npc-connectivity>
 <ioc>
 <npc>
 <none/>
 <npc-slot>*npc-slot*</npc-slot>
 </npc>
 </ioc>
 </ioc-npc-connectivity>
 </chassis>
 </configuration>

Description NPC-FPC slot number.

Contents <none>—IOC not connected to any NPC.

<npc-slot>—NPC-FPC slot number.

<nssa> (configuration/logical-systems/protocols/ospf/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </ospf>
 </protocols>
 </logical-systems>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

<default-lsa>—Configure a default LSA.

<summaries>—Flood summary LSAs into this NSSA area.

<nssa> (configuration/logical-systems/protocols/ospf3/area)

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </ospf3>
 </protocols>
 </logical-systems>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

<default-lsa>—Configure a default LSA.

<summaries>—Flood summary LSAs into this NSSA area.

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

Usage <configuration>
 <logical-systems>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </logical-systems>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

<default-lsa>—Configure a default LSA.

<summaries>—Flood summary LSAs into this NSSA area.

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

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </ospf>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

 <default-lsa>—Configure a default LSA.

 <summaries>—Flood summary LSAs into this NSSA area.

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

Usage <configuration>
 <logical-systems>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </logical-systems>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

<default-lsa>—Configure a default LSA.

<summaries>—Flood summary LSAs into this NSSA area.

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

Usage

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <realm>
              <area>
                <nssa>
                  <default-lsa>...</default-lsa>
                  <summaries/>
                  <area-range>...</area-range>
                </nssa>
              </area>
            </realm>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

<default-lsa>—Configure a default LSA.

<summaries>—Flood summary LSAs into this NSSA area.

<nssa> (configuration/protocols/ospf/area)

Usage	<pre> <configuration> <protocols> <ospf> <area> <nssa> <default-lsa>...</default-lsa> <summaries/> <area-range>...</area-range> </nssa> </area> </ospf> </protocols> </configuration> </pre>
Description	Configure a not-so-stubby area.
Contents	<p><area-range>—Configure NSSA area ranges.</p> <p><default-lsa>—Configure a default LSA.</p> <p><summaries>—Flood summary LSAs into this NSSA area.</p>

<nssa> (configuration/protocols/ospf3/area)

Usage	<pre> <configuration> <protocols> <ospf3> <area> <nssa> <default-lsa>...</default-lsa> <summaries/> <area-range>...</area-range> </nssa> </area> </ospf3> </protocols> </configuration> </pre>
Description	Configure a not-so-stubby area.
Contents	<p><area-range>—Configure NSSA area ranges.</p> <p><default-lsa>—Configure a default LSA.</p> <p><summaries>—Flood summary LSAs into this NSSA area.</p>

<nssa> (configuration/protocols/ospf3/realm/area)

Usage <configuration>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

 <default-lsa>—Configure a default LSA.

 <summaries>—Flood summary LSAs into this NSSA area.

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

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </ospf>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

 <default-lsa>—Configure a default LSA.

 <summaries>—Flood summary LSAs into this NSSA area.

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

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

 <default-lsa>—Configure a default LSA.

 <summaries>—Flood summary LSAs into this NSSA area.

<nssa> (configuration/routing-instances/instance/protocols/ospf3/realm/area)

Usage <configuration>
 <routing-instances>
 <instance>
 <protocols>
 <ospf3>
 <realm>
 <area>
 <nssa>
 <default-lsa>...</default-lsa>
 <summaries/>
 <area-range>...</area-range>
 </nssa>
 </area>
 </realm>
 </ospf3>
 </protocols>
 </instance>
 </routing-instances>
 </configuration>

Description Configure a not-so-stubby area.

Contents <area-range>—Configure NSSA area ranges.

 <default-lsa>—Configure a default LSA.

 <summaries>—Flood summary LSAs into this NSSA area.

<ntp> (configuration/system)

Usage <configuration>
 <system>
 <ntp>
 <boot-server>*boot-server*</boot-server>
 <authentication-key>...</authentication-key>
 <peer>...</peer>
 <server>...</server>
 <broadcast>...</broadcast>
 <broadcastclient/>
 <multicastclient>...</multicastclient>
 <trusted-key>...</trusted-key>
 <source-address>*source-address*</source-address>
 </ntp>
 </system>
 </configuration>

Description Network Time Protocol services.

Contents <authentication-key>—Authentication key information.

<boot-server>—Server to query during boot sequence.

<broadcast>—Broadcast parameters.

<broadcastclient>—Listen to broadcast NTP.

<multicastclient>—Listen to multicast NTP.

<peer>—Peer parameters.

<server>—Server parameters.

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

<trusted-key>—List of trusted authentication keys.

<ntp> (configuration/system/processes)

Usage <configuration>
 <system>
 <processes>
 <ntp>
 <disable/>
 <failover>*failover-choice*</failover>
 </ntp>
 </processes>
 </system>
 </configuration>

Description Network time process.

Contents <disable>—Disable network time process.

<failover>—How to handle failure of network time process.

- *alternate-media*—On failure, reboot off alternate media.
- *other-routing-engine*—On failure, switch mastership to other Routing Engine.

