Routing Alarms

For supported software information, click here.

bgp-nbr-state-change

Description	BGP neighbor connection state changed. This impacts the service, because the BGP session to the neighbor goes down.
Cause	• Interface on which the BGP peering session was established went down. • BGP peer configuration changed. • BGP peer reset.
Action	• Ping the BGP neighbor address to check the when the BGP session went down. It is likely because the Controller node went down or there is a data path connectivity issue. • If the Controller node is Up and ping is not working, determined the state of the IPsec session to the Controller node and debug data path connectivity.

Related Commands

Syslog:

```
Aug 30 19:07:59 branch /opt/versa/bin/versa-rtd[8094]: [rtd] [bgpNbrStateChange] [2017-08-30T19:07:59-0700]
BGP instance 1: Peer 10.0.192.2 transitioned to Idle state
Aug 30 19:08:09 branch /opt/versa/bin/versa-rtd[8094]: [rtd] [bgpNbrStateChange] [2017-08-30T19:08:09-0700]
BGP instance 1: Peer 10.0.192.2 transitioned to Established state
```

CLI:

```
admin@branch-cli> show alarms last-n 50 | grep BGP
 rtd       bgpNbrStateChange      2017-08-30T19:03:43-0 BGP instance 2: Peer 10.1.64.1 transitioned to
Established state
 rtd       bgpNbrStateChange      2017-08-30T19:03:44-0 BGP instance 2: Peer 10.1.64.2 transitioned to
Established state
 rtd       bgpNbrStateChange      2017-08-30T19:03:56-0 BGP instance 1: Peer 10.0.192.1 traexinsitioned to
Established state
```

```
 rtd        bgpNbrStateChange       2017-08-30T19:07:59-0 BGP instance 1: Peer 10.0.192.2 transitioned to Idle
state
 rtd        bgpNbrStateChange       2017-08-30T19:08:09-0 BGP instance 1: Peer 10.0.192.2 transitioned to
Established state
```

monitor-down

Description	A named monitor transitions to the Down state. This impacts the service, because the next hop is not reachable.
Cause	• Issues with data path used to reach the monitored next hop. • Network link issues. • Dropped packets.
Action	Check the data path connectivity.

nexthop-down

Description	An unnamed monitor transitions to Down state. This impacts the service, because the next hop is not reachable.
Cause	• Reachability to next hop may be down. • Interface may be in down state.
Action	Check the data path connectivity.

Related Commands

Syslog:

```
Aug 30 12:06:17 branch versa-rfd[1877]: [rfd] [nexthopDown] [2017-08-30T12:06:17-0700] Nexthop 192.168.5.1/
Internet-Transport-VR is down.
Aug 30 19:04:15 branch versa-vmod: [rfd] [nexthopDown] [2017-08-30T19:04:15-0700] Provider: Nexthop 192.
168.5.1/Internet-Transport-VR is down.
```

CLI:

```
admin@branch-cli> show alarms last-n 50 | grep nexthop
rfd        nexthopUp               2017-08-30T19:03:35-0 Provider: Nexthop 192.168.4.1/MPLS-Transport-VR is up.
```

> rfd nexthopDown 2017-08-30T19:04:15-0 Provider: Nexthop 192.168.5.1/Internet-Transport-VR is down.
> monitor-down

Supported Software Information

Releases 20.2 and later support all content described in this article.

Additional Information

Configure VOS Device Alarms