NetBrain® Integrated Edition 10.1

How to Create Multiple MPLS Clouds with the Same AS Number

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Customer Use Case

Users want to create multiple MPLS clouds with the same AS number when no VRF is configured in the CE devices.
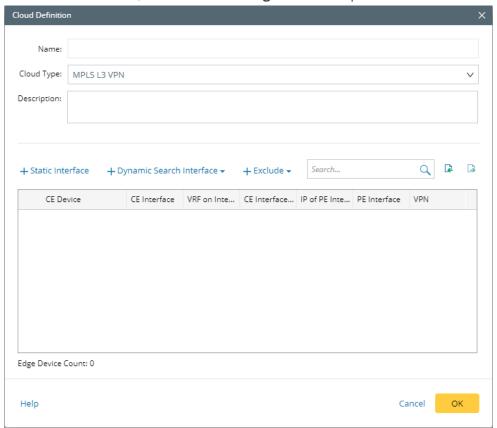
Challenge

Users have multiple CE devices established multiple EBGP sessions with ISP PE routers. All the CE devices have the same BGP AS number and each CE device belongs to different sites and have the same gateway IP address. If they only type in one BGP AS number in MPLS cloud setting, all the CE devices will be added to the MPLS cloud and the system will choose incorrect remote CE devices during calculating a path.

NetBrain Best Practice

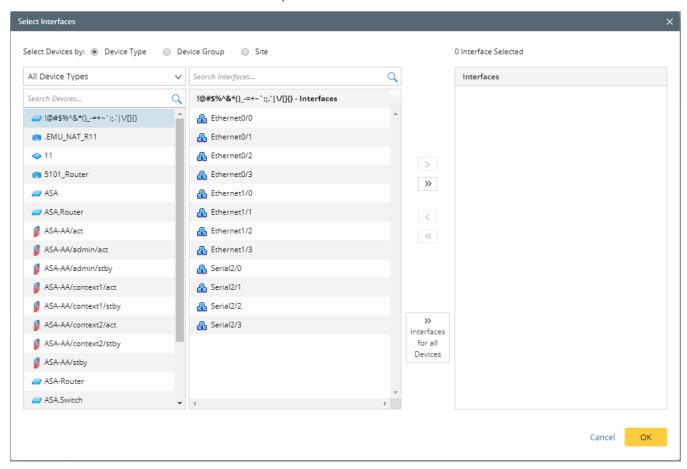In NetBrain IEv7.1a, there is an exclude function when creating MPLS cloud.

1. Log into Domain Management page.

2. In the Domain Management page, click **Fine Tune** on the Start Page.

3. On the **Fine Tune** tab, select **Cloud Manager** in the left pane and click **Add**.

4. In the **Cloud Definition** pane, click **Exclude**. Two methods are provided:

   ▪ **Exclude Interface** — specify which interface needs to be excluded. Add the CE interface to be excluded.

   Only the interface which has been added on this list will be excluded when creating MPLS cloud. Other

interfaces on the same device will not be impacted.

- **Exclude Device** — manually add the entire devices in the exclude list. You can add multiple devices based on the device type, device group, and site in one time. All the interfaces on the excluded devices will not be

added into the MPLS cloud or added into virtual routing table calculation.

Hostname	Mgmt IP	Vendor	Model
!@#$%^&*()_-=+~`;;.'|V[]{}	172.25.52.9	Cisco	3560E
.EMU_NAT_R11	172.25.37.9	Cisco	ciscoGatewayServer
11	172.24.101.31	HP(3Com)	hh3c-s5100-16P-PWR-EI
5101_Router	172.25.37.82	Cisco	ciscoGatewayServer
ASA	172.25.52.1	Cisco	3560E
ASA,Router	172.25.52.2	Cisco	3560E
ASA-AA/act	172.24.101.47	Cisco	ASA5510
ASA-AA/admin/act	172.24.101.47	Cisco	ASA5510
ASA-AA/admin/stby	172.24.101.41	Cisco	ASA5510
ASA-AA/context1/act	172.24.101.47	Cisco	ASA5510
ASA-AA/context1/stby	172.24.101.41	Cisco	ASA5510
ASA-AA/context2/act	172.24.101.47	Cisco	ASA5510
ASA-AA/context2/stby	172.24.101.41	Cisco	ASA5510
ASA-AA/stby	172.24.101.41	Cisco	ASA5510
ASA-Router	172.25.52.3	Cisco	3560E