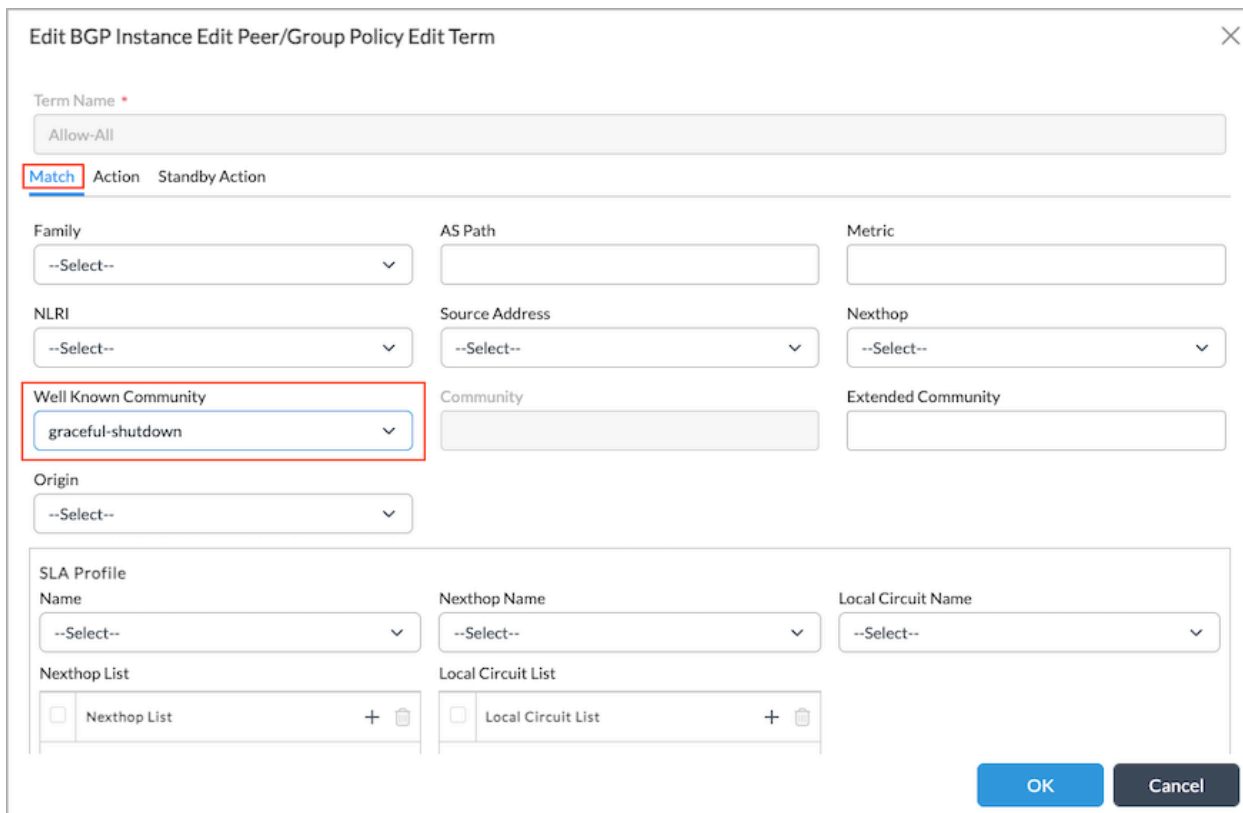# Configure Maintenance Mode

For supported software information, click here.

You can enable a Versa Operating System^{TM} (VOS^{TM}) device to operate in maintenance mode so that you can perform administrative tasks, such as upgrading the software on the device. When a VOS device is in maintenance mode, other devices are expected to route traffic around the VOS device that is in maintenance mode.

When a VOS device is in maintenance mode, the routing protocols behave as follows:

- BGP appends the well-known community of 65535:0 (GRACEFUL_SHUTDOWN) to the routes advertised by the VOS device. When another VOS device or a router receives a route with this community, the devices set the local preference of the route to 0. Routes with a preference value of 0 are considered to be the least preferred. Note that you can create an import policy to override this local preference value. You can also create a routing peer policy that uses the 65535:0 community as a match condition, as illutrated in the following screenshot:

- OSPF sets the router LSA metric to 65535, which causes other routers to select alternate VOS devices or routers for forwarding.
- PIM announces a designated router (DR) priority value of 0 so that other PIM routers are more preferred to become the designated router.
- All VRRP groups, except the special groups configured with a priority of 255, are placed into INIT state. As a result, hosts do no use the VOS device for forwarding.

Configure Maintenance Mode

1. In Director view:
   a. Select the Configuration tab in the top menu bar.
   b. Select Devices > Devices in the horizontal menu bar.
   c. Select a Controller or VOS device in the main pane. The view changes to Appliance view.
2. Select the Configuration tab in the top menu bar.
3. Select Others > System > Configuration > Configuration in the left menu bar.
4. In the main pane, locate the Maintenance Mode pane.

5. Click the ✎ Edit icon. In the Maintenance Mode popup window, click Enabled.
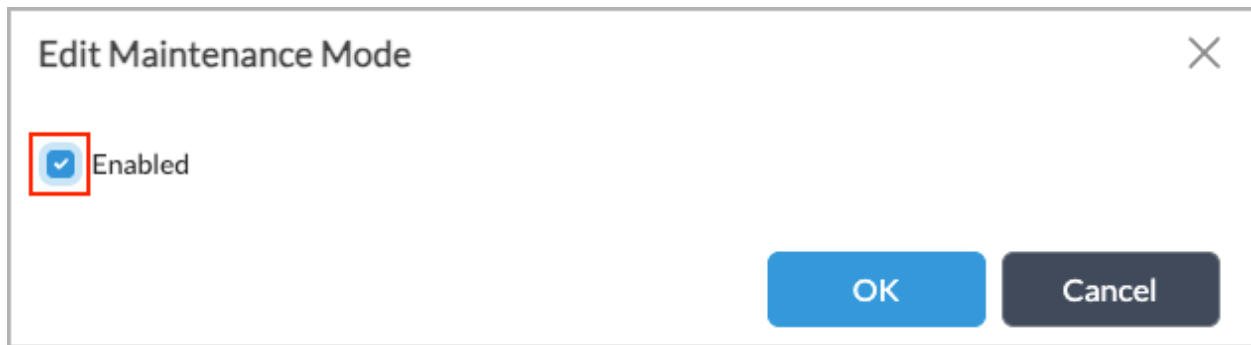
6. Click OK.

End Maintenance Mode

To end maintenance mode and return to regular operating mode, deselect the Enabled checkbox in the Maintenance Mode popup window, and then click OK.

Supported Software Information

Releases 22.1.2 and later support all content described in this article.

Additional Information

Configure BGP
Configure IP Multicast
Configure VRRP
Upgrade Software on Headend and Branch