Troubleshooting Multipod and Multi-Site Issues

This chapter contains the following sections:

Troubleshooting Multi-Site and Multi-Pod

This section describes how to troubleshoot Multi-Site and Multi-Pod.

Error:400

If you receive the following error:

```
Error:400 - Invalid Configuration Following Intersite Spines are not configured as Mpod
Spines: 1202
```

You must enable the fabric external connectivity for all the existing spines and if you are trying to add new spines use the **Setup Multipod** GUI wizard.

There are two ways to resolve this issue.

- Enable all the spines under the external routed network:
  - In the APIC GUI, on the menu bar, click **Tenant** > **infra**.
  - In the **Navigation** pane, expand **Networking** > **External Routed Networks**, right-click on the external routed network and choose **Enable Fabric External Connectivity**.
- Add new spines under the external routed network:
  - In the APIC GUI, on the menu bar, click **Fabric**.
  - In the **Navigation** pane, expand **Quick Start** > **Node or Pod Setup** > **Setup Multipod** and complete the Multipod setup.

Verifying Remote Leaf Configuration

After you enable direct communication for Remote Leaf switches, you can verify the configuration using the following steps.

Step 1 SSH in to the switch.

Step 2 Verify that direct communication is enabled.

In the following output, verify that `rldirectMode` is set to *yes*:

```
remote-leaf-switch#
cat /mit/sys/summary
# System
[...]
remoteNetworkId          : 0
remoteNode               : no
rlOperPodId              : 1
rlRoutableMode           : yes
rldirectMode             : yes
[...]
```

Step 3 Verify that the remote leaf switches are in complete routable mode and are talking to Cisco APIC's public IP address.

a) Verify that `rlRoutableMode` is set to *yes*.

```
remote-leaf-switch#
moquery -c topSystem | grep rlRoutableMode
rlRoutableMode           : yes
```

b) Verify that you can ping the Cisco APIC routable IP address from the remote leaf switch.

```
remote-leaf-switch#
iping -V overlay-1 110.0.0.225

PING 110.0.0.225 (110.0.0.225) from 193.0.3.20: 56 data bytes

64 bytes from 110.0.0.225: icmp_seq=0 ttl=61 time=0.401 ms
```

c) Verify that `dhcpRespMo` in the remote leaf switch is set to the APIC's routable IP address.

```
remote-leaf-switch#
moquery -c dhcpResp

serverId      : 110.0.0.225
siAddr        : 110.0.0.225
status        :
subnetMask    : 255.255.255.255
yiAddr        : 191.2.0.72
```