



Recovering a Disconnected Leaf

If all fabric interfaces on a leaf are disabled (interfaces connecting a leaf to the spine) due to a configuration pushed to the leaf, connectivity to the leaf is lost forever and the leaf becomes inactive in the fabric. Trying to push a configuration to the leaf does not work because connectivity has been lost. This chapter describes how to recover a disconnected leaf.

- [Recovering a Disconnected Leaf Using the NX-OS-Style CLI, on page 1](#)
- [Recovering a Disconnected Leaf Using the REST API, on page 2](#)

Recovering a Disconnected Leaf Using the NX-OS-Style CLI

This procedure enables fabric interfaces using the Cisco Application Policy Infrastructure Controller (APIC) NX-OS-style CLI. Use this procedure if you do not have any external tools from which you can make REST API calls.



Note This procedure assumes that 1/31 is one of the leaf switch ports connecting to the spine switch.

Step 1 Using Cisco APIC NX-OS-style CLI, remove the block list policy.

Example:

```
apic1# podId='1'  
apic1# nodeId='103'  
apic1# interface='eth1/31'  
apic1# icurl -sX POST 'http://127.0.0.1:7777/api/mo/.json' -d '{"fabricRsOosPath":{"attributes":  
  
{"dn":"uni/fabric/outofsvc/rsOosPath-[topology/pod-'$podId']/paths-'$nodeId'/pathep-['$interface']"},"status":"deleted"}}}'
```

Step 2 Using the CLI of a leaf or spine switch, set the port in service to bring up the port on the leaf switch.

Example:

```
switch1# podId='1'  
switch1# nodeId='103'  
switch1# interface='eth1/31'  
switch1# icurl -X POST  
'http://127.0.0.1:7777/api/node/mo/topology/pod-'$podId'/node-'$nodeId'/sys/action.json'  
-d  
'{"actionLSubj":{"attributes":{"oDn":"sys/phys-['$interface']"},"children":[{"11EthIfSetInServiceLTask":
```

```
{"attributes":{"adminSt":"start"}}}]}}}'
```

Recovering a Disconnected Leaf Using the REST API

To recover a disconnected leaf switch, you must enable at least one of the fabric interfaces using this procedure. You can enable the remaining interfaces using the GUI, REST API, or CLI.

To enable the first interface, post a policy using the REST API to delete the policy posted and bring the fabric ports Out-of-Service. You can post a policy to the leaf switch to bring the port that is Out-of-Service to In-Service as follows:



Note This procedure assumes that 1/49 is one of the leaf switch ports connecting to the spine switch.

Step 1 Clear the block list policy from the Cisco APIC using the REST API.

Example:

```
$APIC_Address/api/policymgr/mo/.xml
<polUni>
  <fabricInst>
    <fabricOOServicePol>
      <fabricRsOosPath tDn="topology/pod-1/paths-$LEAF_Id/pathep-[eth1/49]" lc="blacklist"
status ="deleted"/>
    </fabricOOServicePol>
  </fabricInst>
</polUni>
```

Step 2 Post a local task to the node itself to bring up the interfaces you want using **l1EthIfSetInServiceLTask**.

Example:

```
$LEAF_Address/api/node/mo/topology/pod-1/node-$LEAF_Id/sys/action.xml
<actionLSubj oDn="sys/phys-[eth1/49]">
  <l1EthIfSetInServiceLTask adminSt='start' />
</actionLSubj>
```