NetApp

Adding ISLs to a Cisco switch

ONTAP MetroCluster

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You might need to add ISLs to a switch if you are adding or upgrading hardware such as additional or faster controllers or faster switches.

Steps that are completed on one switch must also be completed on the other to ensure ISL connectivity.

Steps

1. Disable the ISL ports of the ISLs to be added on both switches in the fabric:

   FC_switch_A_1#config t

   Enter the configuration commands, one per line. End with CTRL-Z after all the configuration commands have been entered.

   ```
   FC_switch_A_1(config)# interface fc1/36
   FC_switch_A_1(config-if)# shut
   FC_switch_A_1(config)# end
   ```

2. Insert SFPs into the ports you are adding as ISL ports, and cable them according to the *Installation and Configuration Guide*.

   Ensure that these ports are listed in the *Installation and Configuration Guide* for the switch you are adding them to.

3. Configure the ISL ports in accordance with the *Installation and Configuration Guide*.

4. Enable all ISL ports (if not enabled) on both switches in the fabric:

   FC_switch_A_1# config t

   Enter the configuration commands, one per line. End with CTRL-Z.

   ```
   FC_switch_A_1# interface fc1/36
      FC_switch_A_1(config-if)# no shut
      FC_switch_A_1(config)# end
   ```

5. Verify the ISLs are established between both switches:

   show topology isl

6. Repeat the procedure on the second fabric:

```
--------------------------------------------------------------------------------
          _____Local_____  _____Remote_____  VSAN Cost I/F   PC
I/F  Band
      PC Domain SwName   Port  Port   SwName Domain PC         Stat Stat
Speed width

--------------------------------------------------------------------------------
      1   0x11 cisco9 fc1/36  fc1/36 cisco9 0xbc    1     1    15 up    up
16g   64g
      1   0x11 cisco9 fc1/40  fc1/40 cisco9 0xbc    1     1    15 up    up
16g   64g
      1   0x11 cisco9 fc1/44  fc1/44 cisco9 0xbc    1     1    15 up    up
16g   64g
      1   0x11 cisco9 fc1/48  fc1/48 cisco9 0xbc    1     1    15 up    up
16g   64g
```

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