

Lab Report

Performance

Your Score: 0 of 4 (0%)

Elapsed Time: 1 minute 6 seconds

Task Summary

Actions you were required to perform:

- ✗ Connect the fiber network on Floor 1 [Show Details](#)
- ✗ Connect the fiber network on Floor 2 [Show Details](#)
- ✗ Plug the switch on Floor 2 into a Critical Load outlet
- ✗ Computers on Floor 2 are connected to the Internet

Explanation

To determine the appropriate network components to use, examine the ports on the switch and the fiber patch panel. Because the switch doesn't have a fiber port, the SFP module with the LC fiber connector must be used.

The only cable that can be used to connect the switch and the server is the SC to LC fiber cable.

- SC connectors have square connectors that are pushed in to connect.



- LC connectors have both connectors linked together.



When connecting the fiber cable to the patch panel:

- On Floor 1:
 - Connect SC Connector A to port 3.
 - Connect SC Connector B to port 4.
- On Floor 2:
 - Connect SC Connector A to port 1.
 - Connect SC Connector B to port 2.

Complete this lab as follows:

1. On the Shelf, expand the **Adapters** category.
2. Drag the **SFP Transceiver (LC)** to an open SFP port on the switch.
3. Connect the fiber cable to switches on Floor 1 as follows:
 - a. On the Shelf, expand **Cables**.
 - b. Drag the **SC to LC fiber cable** to the SFP LC port on the switch.
 - c. In the Select Connector window, select the **LC connector**.
 - d. In the Selected Component pane, drag the **SC Connector (A)** to port 3 on the fiber patch panel.
 - e. In the Selected Component pane, drag the **SC Connector (B)** to port 4 on the fiber patch panel.

4. Connect the fiber cable to switches on Floor 2 as follows:
 - a. From the top menu, select **Building A**.
 - b. Under Building A, select **Floor 2**.
 - c. Under Networking Closet 2, select **Hardware**.
 - d. On the Shelf, expand **Adapters**.
 - e. Drag the **SFP Transceiver (LC)** to an open SFP port on the switch.
 - f. On the Shelf, expand **Cables**.
 - g. Drag the **SC to LC fiber cable** to the SFP LC port on the switch.
 - h. In the Select Connector window, select the **LC connector**.
 - i. In the Selected Component pane, drag the **SC Connector (A)** to port 1 on the fiber patch panel.
 - j. In the Selected Component pane, drag the **SC Connector (B)** to port 2 on the fiber patch panel.
5. Plug the switch on Floor 2 into a bank 1 critical load outlet on the UPS as follows:
 - a. Above the rack, select **Back** to switch to the back view of the rack.
 - b. On the Shelf, drag the **AC Power Cable**.
 - c. In the Select Connector window, drag **AC Power Connector (Female)** to the AC port on the back of the switch.
 - d. In the Selected Component pane, drag the **AC Power Connector (Male)** to an open bank 1 critical load outlet.
 - e. Above the rack, select **Front** to switch to the front view and confirm the network switch has power.
6. Verify that there is an internet connection for any Floor 2 computer as follows:
 - a. From the top menu, select **Floor 2**.
 - b. Select any of the *computers* on Floor 2.
 - c. In the notification area, right-click the **Network** icon and select **Open Network and Sharing Center**.
 - d. Confirm that the *computer* has an internet connection.
7. Click **Done** to finish the lab.