2.10 LAB
Complete this lab by following these steps in order:

1. Locate the three servers in the rack.
    1. Notice that three servers are listed under Networking Closet:
        - CorpData
        - CorpiSCSI
        - CorpServer
    2. Under Networking Closet, select **Hardware** to view the hardware in this room.
    3. Scroll right to view all of the monitors. Notice that each is connected to a server (see the name on the monitor) and is currently running.
    4. Click on each server in the rack. Notice the name of the server in the Selected Component pane.
    5. From the top right, select **Questions**.
    6. Answer Question 1.
    7. Minimize the Lab Questions dialog.
2. From the Networking Closet, disconnect all three power plugs from the wall outlet and view the results.
    1. Remove the three **AC Power** connectors from the wall outlets.
        - The right two connectors come from the rack mount UPSs.
        - The left connector comes from the small desktop UPS.
    2. From the top right, select **Questions**.
    3. Answer Question 2.
    4. Minimize the Lab Questions dialog.
3. Find the power source for the CorpServer.
    1. Above the rack, select **Back**.
    2. Select the ***power cable*** on the back of CorpServer.
       Notice where the other end is plugged in.
    3. From the top right, select **Questions**.
    4. Answer Question 3.
    5. Minimize the Lab Questions dialog.
4. Find the power source for the CorpServer monitor.
    1. Above the CorpServer (first) monitor, select **Back**.
    2. Select the ***power cable*** on the back of the monitor.
       Notice where the other end is plugged in.
    3. From the top right, select **Questions**.
    4. Answer Question 4.
    5. Minimize the Lab Questions dialog.
5. From CorpData, ping Office1 and the CorpNet router's internal interface.
    1. On the CorpData monitor, select **Click to view Linux**.
    2. From the favorites bar, select **Terminal**.
    3. At the terminal prompt, enter the following commands:
        - Type **ping -c4 192.168.0.30** (Office1) and press **Enter**.
        - Type **ping -c4 198.28.56.1** (CorpNet Router's internal interface) and press **Enter**.
    4. The -c4 option limits the number of echo requests sent by the ping utility to four.
    5. From the top right, select **Questions**.
    6. Answer Question 5.
    7. Minimize the Lab Questions dialog.

8. Close the Terminal window.

6. From the Networking Closet, move the male power connector for the switch from the non-critical load bank section to the critical load bank section.
    1. From the top left, select **Networking Closet**.
    2. Move the **AC Power Connector (Male)**, connected to the switch and UPS, from the UPS non-critical load bank (on the left) to the critical load bank (on the right).
       To identify the correct male AC Power Connector, select the power cable connected to the back of the switch (top); the other end of the cable will be outlined in the non-critical load bank section.
7. From the Networking Closet, switch to the Front view of the rack and observe any changes caused by moving the plug.
    1. Above the rack, select **Front**.
    2. View the link and network activity lights.
       The switch is now receiving power from the UPS battery and there are network activity lights.
    3. Notice that power has not been restored to the CorpiSCSI monitor.
8. From CorpData, test network connectivity.
    1. On the CorpData monitor, select **Click to view Linux**.
    2. From the Terminal, ping the following devices:
        - Type **ping -c4 192.168.0.30** (Office1) and press **Enter**.
        - Type **ping -c4 198.28.56.1** (CorpNet Router's internal interface) and press **Enter**.
        - Type **ping -c4 163.128.80.93** (DNS) and press **Enter**.
    3. From the top right, select **Questions**.
    4. Answer Question 6.
    5. Minimize the Lab Questions dialog.
9. From the Networking Closet, reconnect the **AC power cord** from the UPSs back to the wall outlet.
    1. From the top left, select **Networking Closet**.
    2. Under Partial Connections, select the **AC Power Cable**.
    3. From the Selected Component pane, drag the **AC Power Connector (Male)** connector to the wall plate.
    4. Repeat steps a and b for the second UPS power cable.
    5. Select the small **UPS**.
    6. From the Selected Component pane, drag the **AC Power Connector (Male)** connector to the wall plate.
       With these servers now receiving power from the wall plate, they can now be accessed.
    7. Select the ***power*** button on the CorpServer server.
    8. Return to the **Networking Closet**.
    9. Select the ***power*** button on the CorpiSCSI monitor.