✗ *Q9*: Based on the subnet mask 255.255.255.224, how many hosts are available on each network?

Your answer:

Correct answer: 32

✗ *Q10*: Which reason explains why the ping from Marketing2 to Sales2 failed?

Your answer:

Correct answer: They are on different networks.

✗ *Q11*: Which reason explains why the ping from Sales1 to Marketing2 was successful?

Your answer:

Correct answer: Sales1 is configured to connect to the same network as Marketing2.

✗ Remove the connection between Switch1 and Switch2.

✗ Connect the switches to Router1. Show Details

✗ *Q12*: Which ping commands were successful from Account2?

Your answer:

Correct answer: Both were successful

Explanation

Complete this lab as follows:

1. Gather IP information for Account2.
   a. Right-click **Account2** and select **Launch Windows**.
   b. Right-click **Start** and select **Terminal (Admin)**.
   c. In the Terminal window, type **ipconfig** and press **Enter**.
   d. Select Questions.
   e. Answer questions 1 and 2.
   f. Minimize the lab questions window.
   g. In the top left, select **Network Modeler** to return to the network diagram.
2. Gather IP information for Marketing2.
   a. Right-click **Marketing2** and select **Launch Windows**.
   b. Right-click **Start** and select **Terminal (Admin)**.
   c. In the Terminal window, type **ipconfig** and press **Enter**.
   d. Select Questions.
   e. Answer questions 3 and 4.
   f. Minimize the lab questions window.
   g. In the top left, select **Network Modeler** to return to the network diagram.
3. Gather IP information for Sales2.
   a. Right-click **Sales2** and select **Launch Windows**.
   b. Right-click **Start** and select **Terminal (Admin)**.
   c. In the Terminal window, type **ipconfig** and press **Enter**.
   d. Select Questions.
   e. Answer questions 5 and 6.
   f. Minimize the lab questions window.
   g. In the top left, select **Network Modeler** to return to the network diagram.
4. Answer questions 7-9 regarding the IP information previously captured.
   a. Select Questions.
   b. Answer questions 7 thru 9.

c. Minimize the lab questions window.

5. Use the *ping* command to test network connectivity from Marketing2 to Sales2.
   a. Right-click **Marketing2** and select **Launch Windows**.
   b. If the terminal is not already open, right-click **Start** and select **Terminal (Admin)**.
   c. In the Terminal window, test the connection to Sales2 by typing **ping 192.168.1.12** followed by **Enter**.
   d. Select Questions.
   e. Answer question 10.
   f. Minimize the lab questions window.
   g. In the top left, select **Network Modeler** to return to the network diagram.
6. Test network connectivity from Sales1.
   a. Right-click **Sales1** and select **Launch Windows**.
   b. Right-click **Start** and select **Terminal (Admin)**.
   c. In the Terminal window, type the following commands and press **Enter** after each one.
      - **ping 192.168.1.12**
      - **ping 192.168.1.42**
      - **ipconfig**
   d. Select Questions.
   e. Answer question 11.
   f. Minimize the lab questions window.
   g. In the top left, select **Network Modeler** to return to the network diagram.
7. Remove the connection between Switch1 and Switch2.
   a. Right-click on the line indicating a link between switches 1 and 2.
   b. Select **Remove**.
8. Connect the switches to Router1.
   a. In the tools tray select the **Create Link** icon.
   b. Select **Router1** and select **enp2s0**.
   c. Select **Switch1** and then select an open port.
   d. Select **Router1** and select **enp2s1**.
   e. Select **Switch2** and then select an open port.
   f. Select **Router1** and select **enp2s2**.
   g. Select **Switch3** and then select an open port.
   h. Select **Create Link** to end the link tool.
9. Test Connectivity from Account2.
   a. Right-click **Account2** and select **Launch Windows**.
   b. If the terminal is not already open, right-click **Start** and select **Terminal (Admin)**.
   c. In the Terminal window, type the following commands and press **Enter** after each one.
      - **ping 192.168.1.12**
      - **ping 192.168.1.42**
   d. Select Questions.
   e. Answer question 12.