6.1.4 Lab: Connect a Cable Modem

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Time Spent: 15:55

Score: 100%

Task Summary

Required Actions

✔ Connect the cable modem to the Internet using the RG-6 cable

✔ Connect the computer to the cable modem using the Ethernet (RJ-45) cable

✔ Connect the power cable to the cable modem

✔ Confirm that the computer is properly connected to the Internet.

Explanation

To complete this lab:

- Add the cable modem/router to the Workspace. Connect the modem to the WAN connection using the RG-6 coaxial cable.
- Connect the computer to the cable modem using a Cat6a Ethernet cable.
- Use the AC to DC power adapter to plug in the modem.

Complete the following steps:

1. On the Inventory, expand the **Networking Devices** category.
2. Drag the cable modem from the Inventory to the Workspace.
3. To connect the modem to the Internet connection, switch to the back view of the cable modem.
4. On the Inventory, expand the **Cables** category.
5. Select the RG-6 coaxial cable.
6. In the Selected Item Connection window, drag a connector to the port on the cable modem.
7. In the Selected Item Connection window, drag the other connector to the port on the wall plate.
8. To connect the computer to the cable modem, switch to the back view of the computer.
9. On the Inventory, select the Cat6a Ethernet cable under the Cables category.
10. In the Selected Item window, drag a connector to the Ethernet port on the cable modem.
11. In the Selected Item window, drag the unconnected end of the Ethernet port to the computer.
12. To plug in the cable modem, select the power adapter on the Inventory.
13. In the Selected Item window, drag the DC power connector to the port on the cable modem.
14. In the Selected Item window, drag the AC adapter end to the power outlet.
15. Click the Windows icon on the monitor.

16. Hover over the network icon in the bottom-right corner of the screen to confirm that it's connected to the Internet.