

5.2.5 Lab: Connect Patch Panel Cables

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Time Spent: 06:55

Score: 100%

Task Summary

Required Actions

- ✓ In the Networking Closet, connect an Ethernet twisted-pair cable between the Off 1 port on the patch panel and port 3 on the switch
- ✓ In Office 1, connect an Ethernet twisted-pair cable between the workstation and the wall outlet
- ✓ In Office 1, configure the workstation to obtain IP and DNS addresses automatically

Explanation

Complete this lab as follows:

1. From the Networking Closet, connect the patch panel and switch.
 - a. In the Inventory, expand **Cables**.
 - b. Select a **Cat6a** cable.
 - c. From the Selected Item pane:
 - Drag an **RJ45 Shielded Connector** to the Off 1 (Office 1) port on the patch panel.
 - Drag the other **RJ45 Shielded Connector** to port 3 on the Cisco switch (top row, third port from the left).
2. Connect the Office1 workstation to the local area network.
 - a. From the top left, select **Floor 1 Overview**.
 - b. In Office 1, select **Hardware**.
 - c. Switch to the **Back** view of the computer.
 - d. Under Shelf, expand **Cables**.
 - e. Select **Cat6a Cable, RJ45**.
 - f. From the Selected Component pane:
 - Drag an **RJ45 Shielded Connector** to the Ethernet port on the computer.
 - Drag the other **RJ45 Shielded Connector** to the open Ethernet port on the wall outlet.
3. Configure the workstation to obtain IP and DNS addresses automatically from the server on the network.
 - a. Select the monitor to view the operating system.
 - b. From the Windows taskbar, right-click **Start** and then select **Settings**.
 - c. Select **Network & internet**.
 - d. Select **Ethernet**.

- e. Next to IP assignment, select **Edit**.
- f. Change the Edit IP settings drop-down to **Automatic (DHCP)**, then click **Save**.
- g. At the top of the Settings dialog, select **Network & internet**.

The globe icon next to the word Connected indicates the machine is now connected to the network and can access the internet.