Lab Report

Your Performance

Your Score: 2 of 2 (100%)   Pass Status: Pass
Elapsed Time: 1 minute 24 seconds   Required Score: 100%

Task Summary

Actions you were required to perform:
- ✔ Replace the network cable with the Cat6a cable
- ✔ Connect to the network

Explanation

In this lab, your task is to complete the following:

- Diagnose and correct the problem.
- If necessary, replace any non-working parts with spare parts from the Workspace.
- Do not replace working parts with parts from the Shelf. The lab should end with all original working parts installed in the computer (except for those parts that do not work).
- If you remove any working parts as you troubleshoot, be sure to replace them in the computer before ending the lab.
- Place any unused parts back on the Shelf.

Complete this lab as follows:

1. In the notification area, hover the mouse over the **Network** icon. Notice that the computer is not connected to the network.
2. Get more information about the problem as follows:
    a. Right-click **Start** and select **Windows PowerShell**.
    b. At the command prompt, type **ipconfig** and press **Enter** to view information about the network adapter. Notice that the media is disconnected.

3. Verify the physical configuration of the computer as follows:
    a. From the top navigation tabs, select **Support Office**.
    b. Above the computer, select **Back** to switch to the back view of the computer.
    c. Select the **network cable**.
    d. Make sure the **other end** of the network cable is plugged into the wall outlet.
       Because the network cable is connect to the computer and the wall outlet, it appears that the cable might be faulty.

4. Connect to the network using a known good networking cable as follows:
    a. On the back of the computer, drag the **RJ45 connector** to the Workspace to disconnect it.
    b. Drag the **RJ45 connector** from the wall outlet to the Shelf.
    c. On the Shelf, select the **CAT6a Cable** because it gives you Gigabit speed.
    d. Under Selected Component, drag the **RJ45 connector** to the network card on the computer.
    e. Under Selected Component, drag a other **RJ45 connector** to the network connection on the wall outlet.

5. On the Support monitor, select **Click to view Windows 10** to switch to the operating system view.
6. Verify the connection as follows:
    a. At the command prompt, type **ipconfig** and press **Enter**.
    b. In the notification area, right-click the **Network** icon and select **Open Network & Internet settings**.
    c. Verify the *status* of the Ethernet.