

3.1.2 Lab: Install a Power Supply

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Time Spent: 08:22

Score: 100%



Task Summary

Required Actions

- ✓ Install the power supply with the PCIe power connector into the case
- ✓ Connect the motherboard to the power supply
- ✓ Connect the CPU to the power supply
- ✓ Connect the three hard drives to the power supply
- ✓ Plug the computer into a power source
- ✓ Turn the power supply switch on
- ✓ Boot the computer into Windows

Explanation

Complete this lab as follows:

1. Locate the correct power supply to install.
 - a. Switch the computer to the **Motherboard** view and select the motherboard.
 - b. From the Selected Item pane, select the **Item Detail** icon to view the documentation.
 - c. On the list of ports, #2 shows that the motherboard requires 24-pin and 8-pin connectors.
 - d. Close the Item Detail window.
 - e. Under Inventory, expand **Power Supplies**.
 - f. Select a **power supply**.
 - g. From the Selected Item pane, examine each of the **power connectors** (look for all the connectors required for this scenario).
 - h. Repeat steps 1f–1g for each power supply.
2. Install the correct power supply.
 - a. Under Inventory, drag the correct **power supply** to the area in the case below the motherboard.
 - b. From the Selected Item pane, drag the **20+4 pin connector** to the motherboard to connect the motherboard's main power connector, which is on the right edge of the motherboard on the top half.
 - c. From the Selected Item pane, drag the **Power Supply, 8-pin CPU** connector to the motherboard to connect the CPU power connector, which is on the top edge of the motherboard on the left

side.

3. Connect the SATA hard drives.
 - a. From the Selected Item pane, drag a **SATA, 15-pin** power connector to the power port on the top hard drive.
 - b. From the Selected Item pane, drag a different **SATA, 15-pin** power connector to the power port on the second hard drive.
 - c. From the Selected Item pane, drag a different **SATA, 15-pin** power connector to the power port on the third hard drive.
4. Plug the computer into the wall outlet.
 - a. Switch to the **Back** view of the computer.
 - b. Select the top **power cord** from the power strip.
 - c. From the Selected Item pane, drag the **Connector, Power, AC, Female** connector to the power supply port on the back of the computer.
 - d. On the power supply, select the **power switch** to move it to the On position.
 - e. Above the computer, select **Front**.
 - f. On the computer, select the **power** button to turn the computer on and boot into Windows.