4.2.4 Lab: Troubleshoot System Startup

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Time Spent: 16:00

Score: 100%

Task Summary

Required Actions

✓ Plug in the CPU fan to prevent overheating

✓ Boot the operating system

Explanation

Complete this lab as follows:

1. Replicate the problem described in the scenario.
   a. On the computer, select the **power button**.
   b. Select **OK** to close the prompt indicating that the computer failed to run.
      This is most likely due to the computer not getting power.

2. Provide power to the computer.
   a. Switch to the **Back** view of the computer.
   b. Select the **Connector, Power, AC, Female** currently plugged into the power supply.
      Notice in the Selected Item area that the other end is not connected.
   c. From the Selected Item pane, drag the **Connector, Power, AC, Male** to an open outlet on the
      wall plate.
   d. Switch to the **Front** view of the computer and then select the **power button**.
      The computer will attempt to start, then shut down. This is typically caused by the computer
      overheating.
   e. Select **OK** to close the prompt.

3. Provide power to the heat sink and fan to prevent the computer from overheating.
   a. Switch to the **Motherboard** view of the computer. This selects the system case by default.
   b. From the Selected Item pane, drag a **Connector, Fan, CPU, 3-pin** connector to the motherboard
      (top center).
   c. Switch to the **Front** view of the computer.
   d. On the computer, select the **power button**.
      The computer powers on and stays on.