

## 4.2.6 Lab: Troubleshoot Boot Issues

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Time Spent: 13:14

Score: 100%

### Task Summary

#### Required Actions

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- ✓ Boot to the operating system
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#### Explanation

Complete this lab as follows:

1. Replicate the problem by turning the computer on.
  - a. On the computer, select the **power button** to turn the computer on.  
A prompt is shown, indicating that the computer failed to turn on.
  - b. Select **OK** to acknowledge the prompt.
2. Provide power to the computer.
  - a. Switch to the **Back** view of the computer.
  - b. Select the **AC Power Connector** plugged into the computer.
  - c. Verify that the other end is plugged into the wall plate.
  - d. Select the **power switch** on the power supply to provide power to the computer.
  - e. Switch to the **Front** view of the computer.
  - f. Select the **power button** on the computer to turn it on.  
A prompt is shown, indicating that the computer failed to turn on.
  - g. Select **OK** to acknowledge the prompt.
3. Check for power to the motherboard and disks.
  - a. Switch to the **Motherboard** view of the computer.
  - b. Select the **power supply**.  
Notice that the CPU has no power connector attached. Also, notice that the primary disk has no power attached either.
  - c. From the Selected Component pane:
    - Drag the **Connector, Power Supply, 8-pin CPU** connector to the power port (upper left) on the motherboard.
    - Drag an unconnected **Connector, SATA, 15-pin** cable to the top disk (the left port).
4. Provide power to the computer and turn it on.
  - a. Switch to the **Front** view of the computer.
  - b. Select the **power button** on the computer to turn it on.  
The computer powers on, but no bootable device is found.
5. Check for proper SATA cable connections.
  - a. From the upper left, select **Workbench**.

- b. Select the **power button** to turn the computer off.
- c. Switch to the **Motherboard** view of the computer.
- d. For the top disk, select the **SATA cable**.

Notice that the other end of the cable is disconnected.

- e. From the Selected Component pane, drag the **Connector, SATA, 7-pin connector** to a SATA port on the motherboard.

6. Test the solution.

- a. Switch to the **Front** view of the computer.
- b. Select the **power button** on the computer to turn it on.

The computer boots to Windows.