IT Essentials 5.0

5.3.4.6 Lab - Managing System Files with Built-in Utilities in Windows 7

Introduction

Print and complete this lab.

In this lab, you will use Windows built-in utilities to gather information about the system and to troubleshoot system resources.
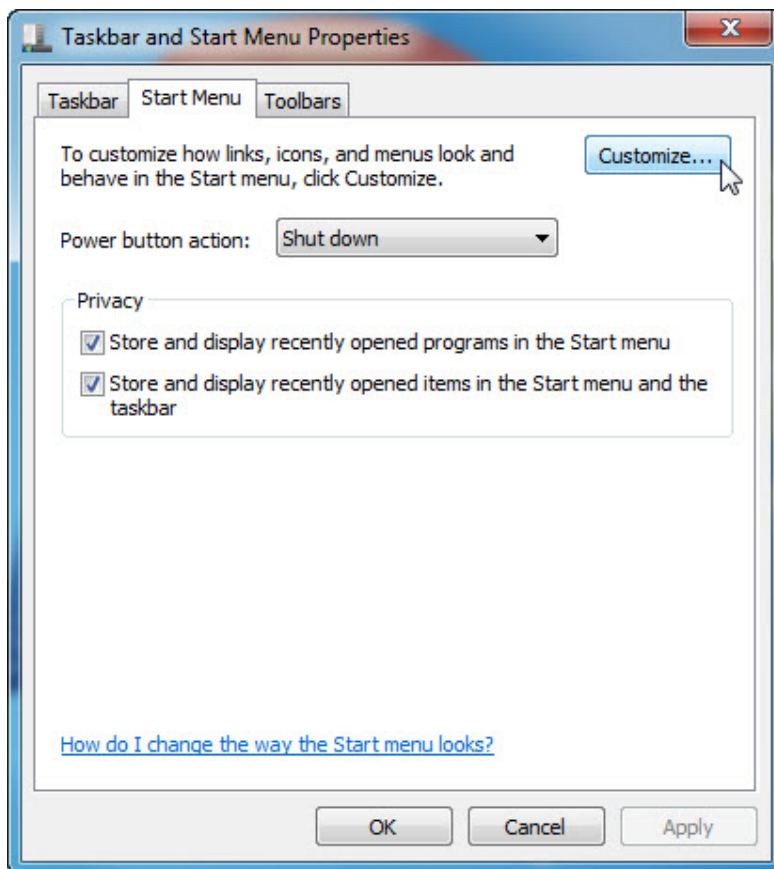
Recommended Equipment
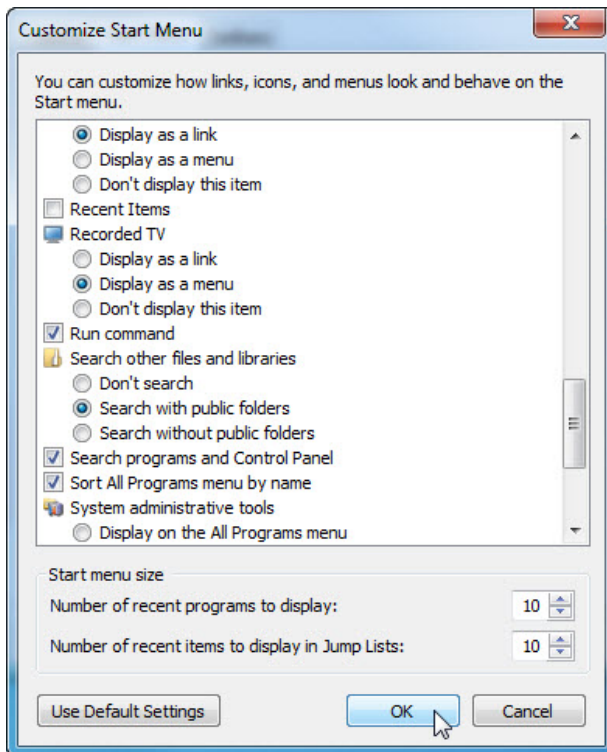The following equipment is required for this exercise:

 • A computer running Windows 7

Step 1

Log on to the computer as an administrator.

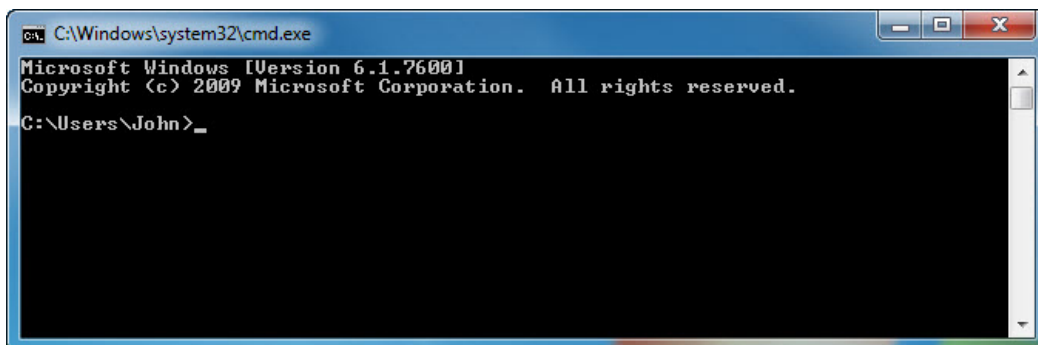To add Run to the Start menu right-click **Start > Properties** > **Start Menu** tab **> Customize…**.

Scroll down until you see the Run command. Click in the box next to Run command. Click **OK**.

Click **Apply > OK** to close the "Taskbar and Start Menu Properties" window.

Open the command prompt by clicking **Start > Run >** type **cmd >** click **OK**.

What is the drive path shown?

Type **help** and press **Enter**.

What is the command to change directory?

What is the command to display the contents in a directory?

Type **cd ..** and press **Enter**.

What is the drive path shown?

Change back to original drive path.
Example: Type **cd John** and press **Enter**.

What is the drive path shown?

Type **dir /?** and press **Enter**.
If asked, press any key to continue.

Which switch displays a wide list format?

Type **dir** and press **Enter**.

Type **dir /w** and press **Enter**.

What is the difference between these two commands?

Type **VOL**.

What is the volume name for drive C?

Close the Command prompt window.

Step 2

Open System Information by clicking **Start > Run >** type **msinfo32 >** click **OK**.

Click the **plus sign** next to Hardware Resources, Components, and Software Environment. Expand the window so you can see all the content.
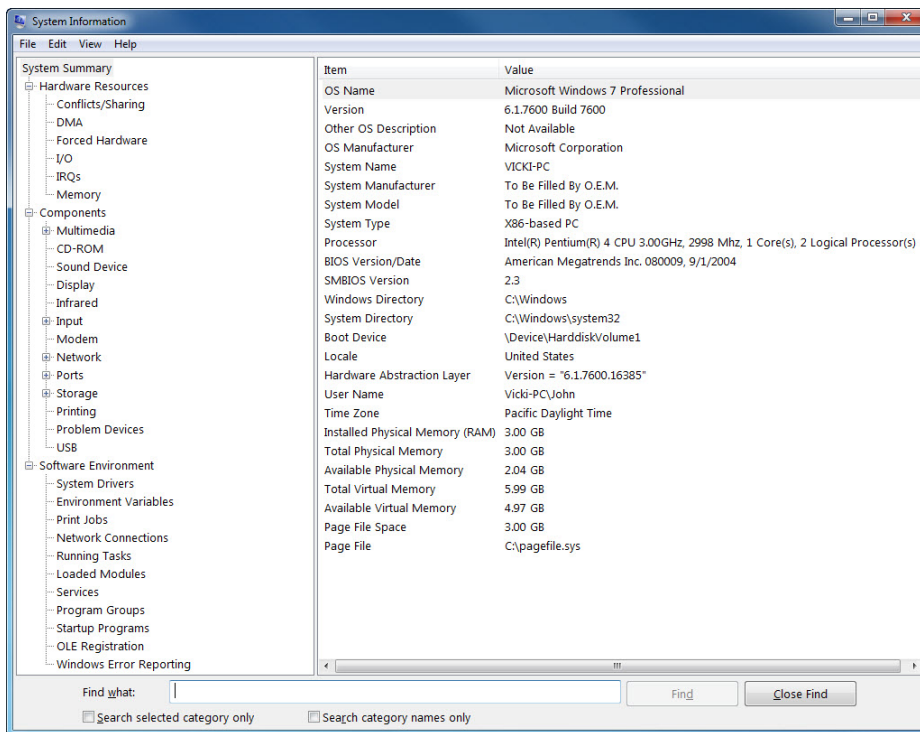
Under the System Summary heading locate and list the following:
Processor

BIOS Version/Date

Total Physical Memory

Under the Hardware Resources heading locate and list the following:
DMA channels and the device using the resources.

I/O address range for these devices:
Printer Port (LPT1)

Communications Port (COM1)

Communications Port (COM2)

IRQ address for these devices:
System timer

Communications Port (COM1)

Communications Port (COM2)

Under the Components heading and Software heading look around to see what information is provided in these areas.

Close the System Information window.

Step 3

Open System Configuration by clicking **Start > Run >** type **msconfig >** click **OK**.
Note: It is very important that you do not make any changes in this utility without instructor permission.
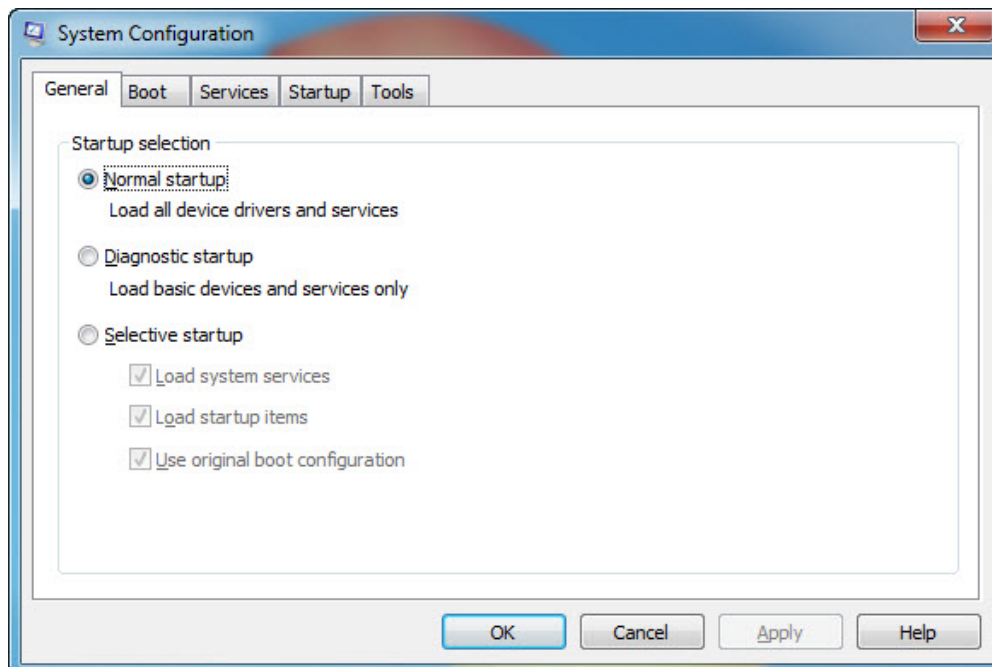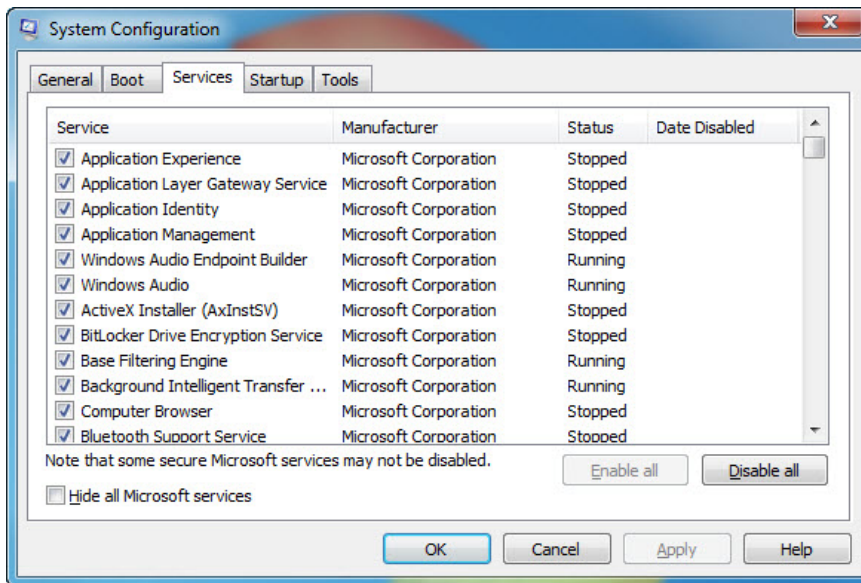

Click the **General** tab if it is not already active.

What are the startup options?

Click the **Boot** tab. This tab is for modifying boot options.
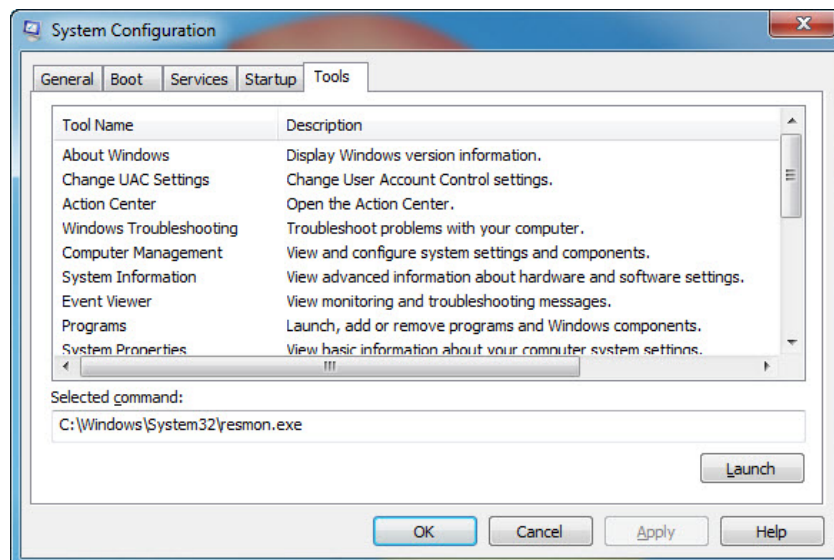
Click the **Services** tab. This tab lists the computers services and there status.

Can you enable and disable services at this tab?

Click the **Startup** tab. This tab lists the programs that are automatically loaded every time you turn on your computer.

Click the **Tools** tab.

What can you do in this tab?

Click **Cancel** to close the "System Configuration" window.

Step 4

Open the DirectX Diagnostic Tool by clicking **Start > Run >** type **dxdiag >** click **OK**.
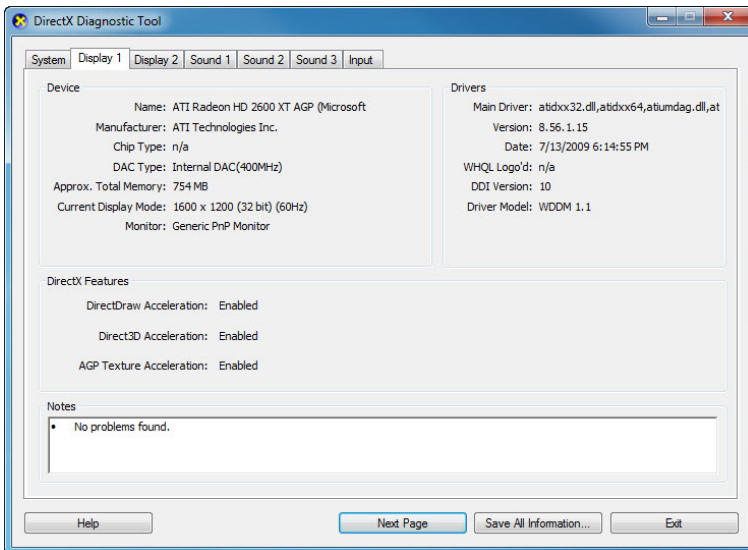If you are asked to have DirectX check driver signatures click **No**.

Note: When the DirectX Diagnostic Tool first opens, it may take a minute to load all information. Your DirectX Diagnostic Tool may not appear exactly as shown in this lab.
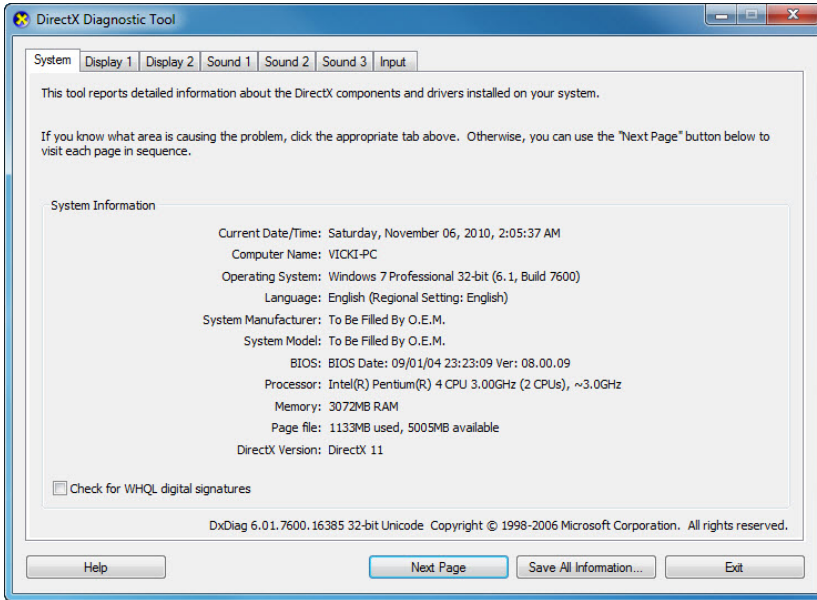
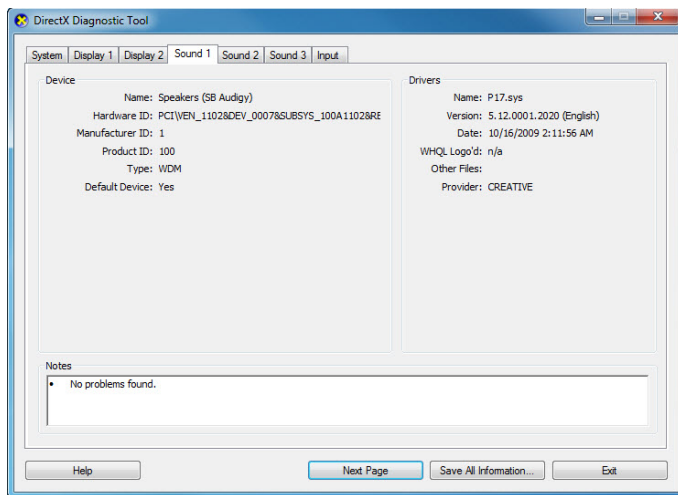Make sure the System tab is active.

What does this tool report?

Click **Next Page** until you are at the Display tab.

What information is listed on this page?

Click **Next Page** until you are at the Sound tab.

What information is listed on this page?

Click **Next Page** until you are on the Input tab.

What information is listed on this page?

Click **Exit**.