Lab - Managing System Files (Instructor Version)

**Instructor Note**: Red font color or gray highlights indicate text that appears in the instructor copy only.

# Introduction

In this lab, you will use Windows utilities to gather information about the computer.

# Recommended Equipment

* A computer running Windows

**Instructor Note**: The students will be accessing sensitive settings during this lab. Stress the importance of following instructions to avoid damaging the operating system.

# Instructions

## Review the System Information.

* + - 1. To open **System Information**, click **Start** and search for **msinfo32**.
      2. Click the **plus sign** next to **Hardware Resources**, **Components**, and **Software Environment**.
      3. Under the **System Summary** heading locate and list the following:

Processor:

Type your answers here.

Answers will vary. A sample answer is Intel® Core™ i5-4430 CPU @ 3.00GHz, 3001 Mhz, 4 Core(s), 4 Logical Processor(s)

BIOS Version/Date:

Type your answers here.

Answers will vary. A sample answer is AMI 80.07, 6/5/2013

Total Physical Memory:

Type your answers here.

Answers will vary. A sample answer is 16.00 GB

* + - 1. Under the **Hardware Resources** heading, locate and list the following:

DMA channels and the device using the resources.

Type your answers here.

Answers will vary. A sample answer:  
Channel 4 Direct memory access controller

* + - 1. Under the **Components** heading locate and list the following:

Network Adapter Name:

Type your answers here.

Answers will vary. A sample answer is Intel® 8574L Gigabit Network Connection.

Network Adapter Type:

Type your answers here.

Answers will vary. A sample answer is Ethernet 802.3.

* + - 1. Under the **Software Environment** heading, where would you find the applications that automatically load when the computer boots?

Type your answers here.

Startup Programs

* + - 1. Close the **System Information** window.

## Review the System Configuration.

* + - 1. To open **System Configuration**, click **Start**, search for **msconfig**.

**Note**: Do not make any changes in this utility without instructor permission.

* + - 1. Click the **General** tab.

#### Question:

What are the startup options?

Type your answers here.

Normal startup, Diagnostic startup, or Selective startup.

* + - 1. Click the **Boot** tab. This tab is for modifying boot options.
      2. Click the **Services** tab. This tab lists the computers services and status.

#### Question:

Can you enable and disable services at this tab?

Type your answers here.

Yes

* + - 1. Click the **Startup** tab. This tab indicates that the **Task Manager** is used to manage startup items. There is also a link to **Startup** tab of the **Task Manager** on this tab.
      2. Click the **Tools** tab.

#### Question:

What can you do in this tab?

Type your answers here.

Launch Windows built-in utilities.

* + - 1. Click **Cancel** to close the **System Configuration** window.

## Review DirectX Diagnostics.

* + - 1. Open the **DirectX Diagnostic Tool** by clicking **Start**, and search for **dxdiag**.
      2. If you are asked to have DirectX check driver signatures, click **No**.

When the **DirectX Diagnostic Tool** first opens, it may take a minute to load all information.

* + - 1. Make sure the **System** tab is active.

#### Question:

What does this tool report?

Type your answers here.

Detailed information about the DirectX components and drivers installed on the system.

* + - 1. Click **Next Page** until you are atthe **Display** tab.

#### Question:

What information is listed on this page?

Type your answers here.

Device, Drivers, and DirectX Features

* + - 1. Click **Next Page** until you are atthe **Sound** tab.

#### Question:

What information is listed on this page?

Type your answers here.

Device and Drivers

* + - 1. Click **Next Page** until you are onthe **Input** tab.

#### Question:

What information is listed on this page?

Type your answers here.

A list of input devices

* + - 1. List any additional tabs in your DirectX Diagnostic Tool window below.

#### Question:

What information is listed on these extra tabs?

Type your answers here.

Answers may vary.

* + - 1. Click **Exit** when finished.

# Reflection Questions

* 1. Why would it be beneficial to turn off a service in the system configuration?

Type your answers here.

Answers may vary. It may be beneficial to turn off a service if that service may have become unresponsive, or if a service is using too many resources.

* 1. When would you use the startup tab of the system configuration tool?

Type your answers here.

Answers may vary. There may be programs that you do not wish to start when the computer boots.

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