

STUDENT ACTIVITY 5.4: UNDERSTAND SYSTEM DEVICES

MTA Course: 10753 Windows Operating System Fundamentals

Topic: Understand system devices

File name: 10753_WindowsOS_SA_5.4

Lesson Objective

5.4: Understand system devices. *This objective may include but is not limited to:* understanding video, audio, and infrared input devices, understanding Device Manager.

Resources, software, and additional files needed for this lesson:

- A workstation with Windows 7 Professional or Enterprise edition installed
 - Internet access
- Alternative option:
 - A virtual machine with Windows 7 Professional or Enterprise edition installed

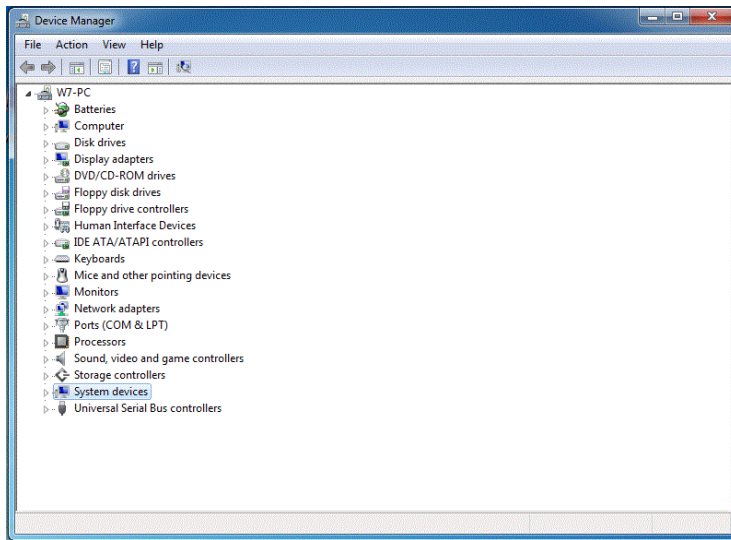
Directions to the student:

Complete the following hands-on activities. Note that the screenshots in the activity may look different from your system. Answer the questions as you work through the activities. Verify your answers with the instructor. You may be asked to work with a partner during this activity.

Managing devices using Device Manager:

1. Authenticate into your system using the first user account provided by your instructor.
2. Open Device Manager by clicking Start, typing **Device Manager** into the Search Programs And Files field and press Enter.

3. Device Manager should load, as shown here.



4. Expand Network Adapters.

5. List the adapter(s) installed.

- a. _____
- b. _____
- c. _____

6. Right-click a network adapter and select Properties.

7. What is the manufacturer listed on the General tab?

- a. _____

8. Click the Advanced tab and record the values for the following properties.

- a. Flow Control _____
- b. Speed And Duplex _____

9. Click the Driver tab.

10. Record the following information.

- a. Driver Provider: _____
- b. Driver Date: _____
- c. Driver Version: _____
- d. Digital Signer: _____

11. Click OK to close the Properties dialog box of the network adapter device.

12. Right-click the same adapter, select Uninstall, and click yes to acknowledge the warning.

13. Try to browse to the Internet. Are you able to?

- a. Yes
- b. No

14. Did the appearance of the network icon in the system tray change? If so, in what way?

a. _____

15. Return to Device Manager and click the Action menu at the top of the window and select Scan For Hardware Changes.

16. Did the system find the network adapter?

a. Yes

b. No

17. Can you browse to the Internet now?

a. Yes

b. No

Device compatibility:

1. Browse to the Windows 7 Compatibility Center, located at <http://www.microsoft.com/windows/compatibility/windows-7/en-us/default.aspx> (You may also search for “Windows Compatibility Center” at <http://www.bing.com>.)

2. Find three non-Microsoft but compatible devices in the following categories.

Laser Jet Printers	Graphics Cards	Infrared Mice	Biometrics Input Devices

3. Find three non-Microsoft devices that are not compatible in the following categories.
Hint: sort by compatibility on the left side of the web page.

Laser Jet Printers	Graphics Cards	Infrared Mice	Biometrics Input Devices

4. Have the instructor verify that you have completed this exercise successfully by checking your answers.