STUDENT ACTIVITY 1.1_1.2: COMPARING NETWORKS

MTA Course: 98-365 Windows Server Administration Fundamentals
Topic: Understand device drivers and services
File name: WinServerFund_SA_1.1_1.2

Lesson Objectives

1.1: Understand device drivers. *This objective may include but is not limited to:* installation; removal; disabling; updating/upgrading; rollback; troubleshooting; plug and play (PnP); IRQs; interrupts; and driver signing.

1.2: Understand services. *This objective may include but is not limited to:* definition and description of services; status types; startup types; recovery options; delayed startup; Run As settings for a service; stopping or pausing a service; service accounts, and dependencies.

Resources, software, and additional files needed for this lesson

- Basic installation of Windows Server 2008 R2

- Alternative options:
  - Windows 7
 - A virtual machine running Windows Server 2008 R2 or Windows 7

Directions to the student

1. Complete the following hands-on activities. Please note that the screenshots in the activity may look different from your system. Answer questions asked throughout the activities. Ask the instructor to verify your answers.

2. On your own, answer the questions at the end of the activity. Be prepared to discuss the questions at the next meeting.
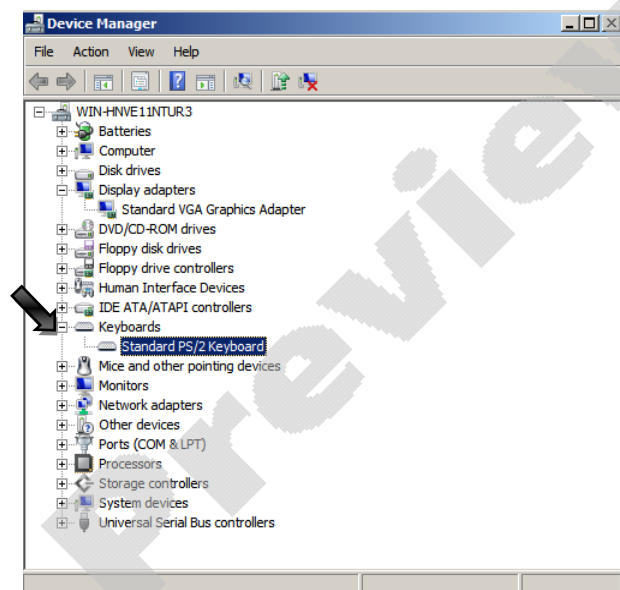
Activity 1.1_Device Driver Management (10 minutes)

1. Authenticate into your system using the credentials provided by the instructor.

2. Click the Start button and type **Device Manager** in the **Search programs and files** input box and press Enter. This will start the Device Manager console.
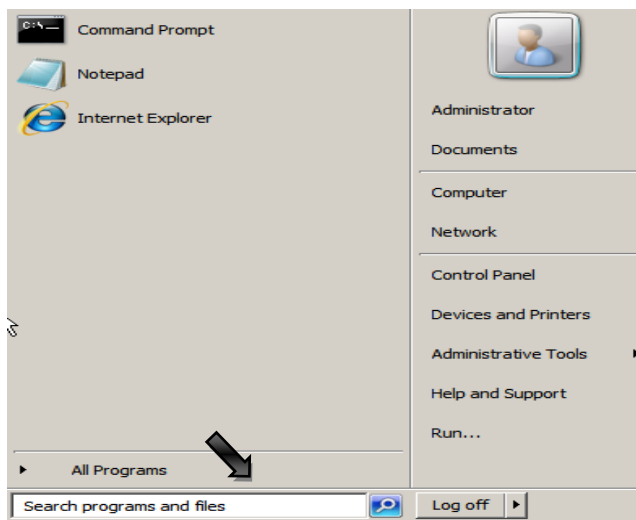
3. On your system, locate any items listed as **Other devices.** If found, expand and right click the device and select **Properties**. The device icon will have a yellow triangle with an exclamation point. (There may not be any devices listed as **Other devices**, and if that is the case, select **Keyboards.**)
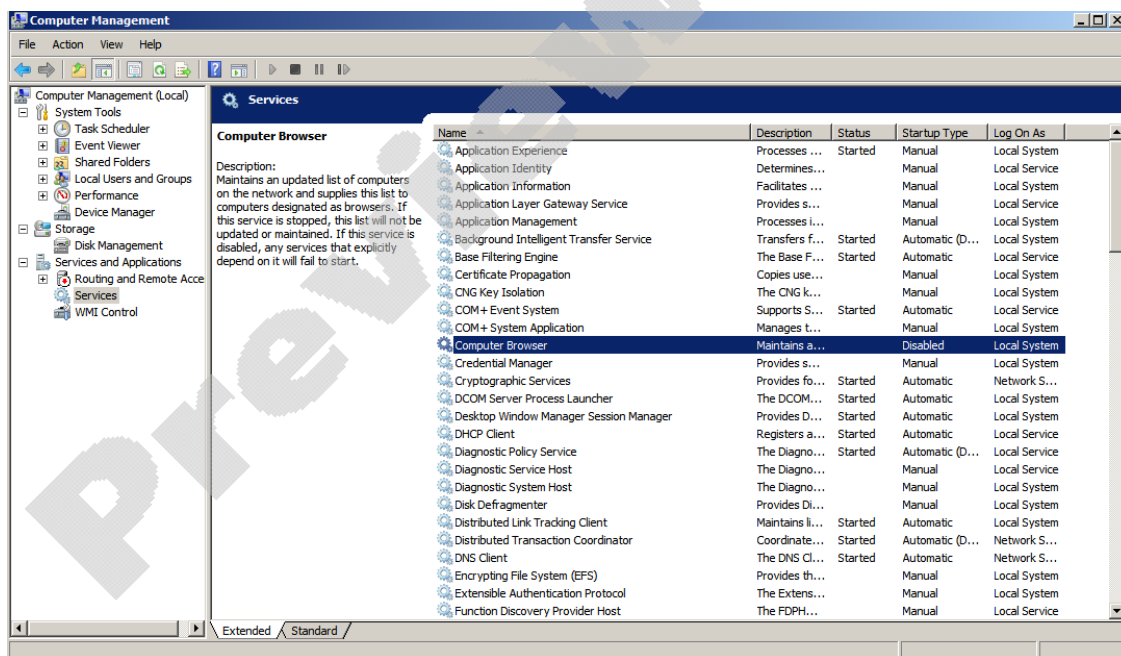

4. What is the device status?

5. What could be done to correct this situation?

6. What are the tabs on the device's property sheet? Explain their purpose. (Hint: select a device that does not have an error symbol.)

   a.

   b.

   c.

   d.

Activity 1.2_Windows System Services (10 minutes)

1. Authenticate into your system using the credentials provided by the instructor.

2. Click the Start button and type **Computer Management** in the **Search Programs and files** input box and press Enter. This will start the Computer Management console.

3. Click and expand the **Services and Applications** option.

4. Click the **Services** option and click a service as displayed below. Note that most services, when selected, will display a description of the service. This description is visible only when the extended tab (bottom of the screen) is selected.

5. Find the **Secondary Logon** service. Read the description for this service's responsibility.

   a.   **What is the Status of this service?**

   b.   **What is the Startup Type for this service?**

   c.   **What account is this service logging on as?**

6. Right click the **Secondary Logon** service and note the options you can execute from the **Action Menu**.

7. Select the Start option to start the service. What has the Status of this service changed to?

8. Right click on the **Secondary Logon** service and select **Properties** from the contextual **Menu**.

9. Stop the **Secondary Logon** service by clicking **Stop** from the **General Tab**.

10. Click the submenu next to the **Startup Type** option. List the four Startup Types:

    a.

    b.

    c.

    d.

11. List and explain each tab on the **Secondary Logon** properties dialog box.

    a.

    b.

    c.

    d.

Content:

1. What Windows console is used to manage device drivers?

2. Using Computer Management, list the different "Log On As" accounts used on the system.

3. Which system components does the Remote Procedure Call (RPC) service depend on?

4. What console would be used to determine why a particular service failed to start?