

Lab - Work with Task Manager

Introduction

In this lab, you will explore Task Manager and manage processes from within Task Manager.

Required Resources

- A computer running Windows

Instructions

Step 1: Applications tab.

- Log on to Windows as an administrator.
- Open a web browser and a folder.
- Click **Start** and type **task manager** in the search field. Press **Enter** to open the Task Manager utility.
Note: For Windows 8.x, use the charms menu and then click the search icon. Type **task manager** and press **Enter** to open the Task Manager utility.
- Click **Fewer details** if available to view the list of open applications.
- To force the web browser to close, highlight the browser, and click **End task**.

Question:

What happened?

Type your answers here.

- Open the web browser again. Right-click the web browser in the Task Manager.

Question:

What options are available?

Type your answers here.

Step 2: Services tab.

- Click **More Details** at the bottom-left corner of Task Manager. **Note:** It is not available in Windows 7.
- Click the **Services** tab. Use the scroll bar on the right side of the **Services** window to view all the services listed

Question:

What statuses are listed?

Type your answers here.

- Right-click on one of the services listed.

Question:

What are the available actions that can be taken?

Type your answers here.

Step 3: Performance tab.

- a. Click the **Performance** tab. Select **CPU** to view the utilization in the left panel. **Note:** There is no CPU option in the Performance tab in Windows 7.

Questions:

What is the current utilization of the CPU?

Type your answers here.

How many streams of instructions (i.e. Threads) are currently running?

Type your answers here.

How many Apps, Background processes, and Windows processes (i.e Processes) are currently running?

Type your answers here.

- b. Click on the **Memory Chart** in the left panel of the **Performances** tab. **Note:** There is no CPU option in the Performance tab in Windows 7.

Question:

What is the total physical memory (MB)?

Type your answers here.

What is the available physical memory (MB)?

Type your answers here.

How much physical memory (MB) is being used by the computer?

Type your answers here.

- c. Click the **Ethernet Chart** in the left panel of the **Performances** tab. **Note:** There is no Ethernet option in the Performance tab in Windows 7. Click the **Networking** tab in Windows 7 for the Ethernet information.

Questions:

What is the link speed? What type of Ethernet Adapter is in use on this computer?

Type your answers here.

What type of network connection (i.e Connection type) is in use?

Type your answers here.

What is the IPv4 address of the PC? **Note:** This information is not available in the Networking tab in Windows 7.

Type your answers here.

Note: You can click **Open Resource Monitor** to bring up the Resource Monitor utility from the Performance tab in Task Manager to view the individual processes, services, and applications utilizing system resources.

Step 4: Processes tab.

- a. Click the **Processes** tab.
- b. Click the **Memory** heading. Click the **Memory** heading a second time.

Question:

What effect does this have on the columns?

Type your answers here.

- c. Right-click on the **Memory** heading, and then select **Resource values > Memory > Percents**.

Note: Resource values options are not available in Windows 7.

Questions:

What affect does this have on the Memory column?

Type your answers here.

How could this be useful?

Type your answers here.

- d. Open a web browser.
- e. Return to the **Task Manager**. Click the **Name** heading.

Note: The category options are not available in Windows 7.

Question:

The listed processes are divided by categories. What categories are listed?

Type your answers here.

- f. Select the web browser, and click **End Task**.
- g. Close all open windows.

Step 5: Users tab.

- a. Click the **Users** tab to list the usernames who are logged into the system.
- b. Right-click a username. What are the available options?
Type your answers here.
- c. In Windows 8.x and 10, right-click **Expand** to view all the processes associated with this user.

Step 6: Startup, App history and Details tabs.

Note: These tabs are not available in Windows 7.

- a. The **Startup** tab lists the processes that are started automatically during Windows startup. Click the **Startup** tab. Right-click a process and list the available options below.
Type your answers here.
- b. The **App history** tab lists the historical resources usage.
Question:
What type of information can you get from this list?
Type your answers here.
- c. The **Details** tab displays process information such as process ID (PID), status, and memory utilization. Right-click a process and list the available options below.
Type your answers here.

Reflection Question

Why is it important for an administrator to understand how to work within the Task Manager?

Type your answers here.