

Answers: 6.1.1.5 Lab - Task Manager in Windows 8

Introduction

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

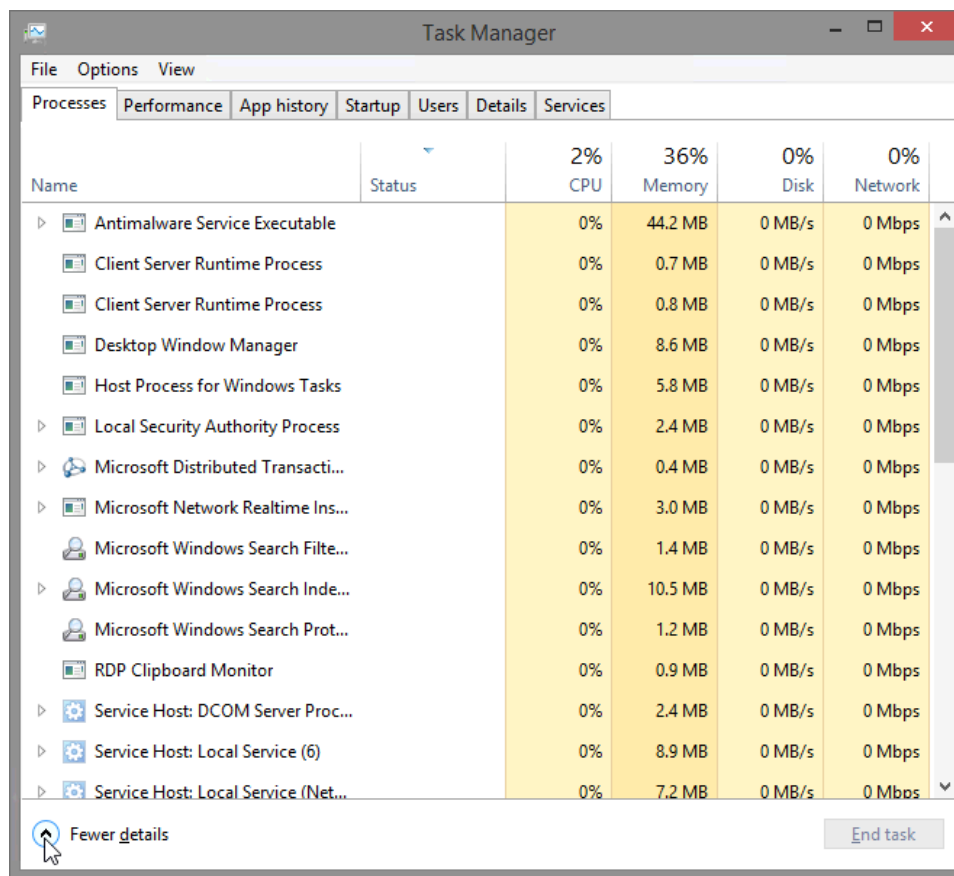
Recommended Equipment

The following equipment is required for this exercise:

- A computer running Windows 8

Step 1: Work in the Applications tab of Task Manager.

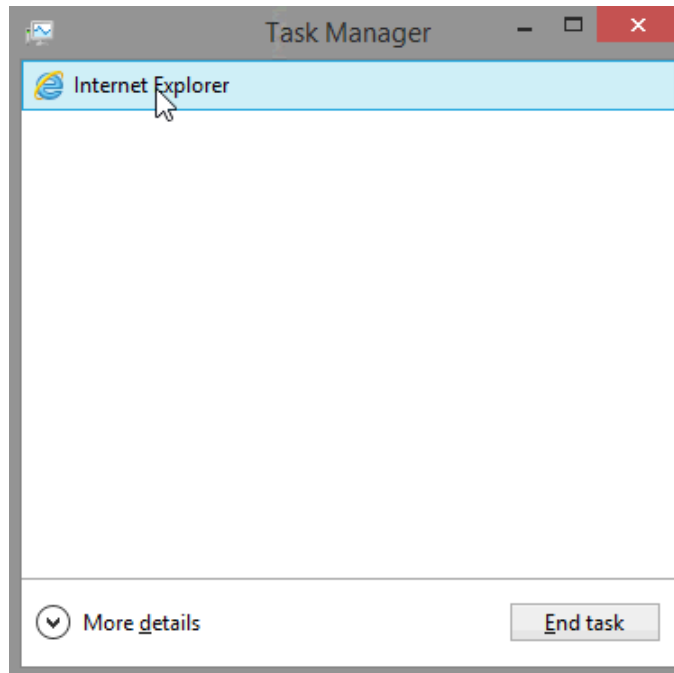
- Log on to Windows as an administrator.
- Open a browser and a folder.
- Click **Start**, and type **task manager**. Press **Enter** to bring up the Task Manager utility.



Note: For Windows 8.0, bring up the charms menu and then click on the search icon. Type **task manager** and press **Enter** to open the Task Manager utility.

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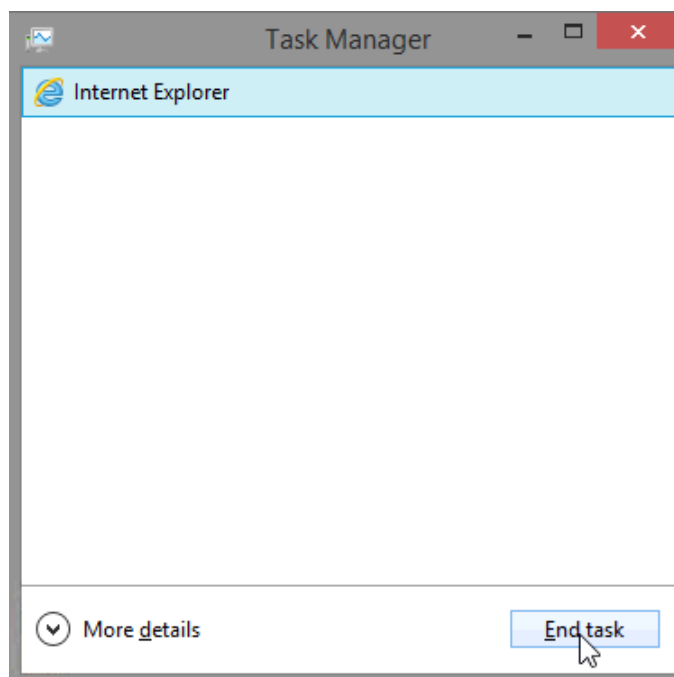
- d. Click **Fewer details** to view the list of open applications.



- e. Double-click the **open browser listing** in Task Manager.

What action took place on the desktop?

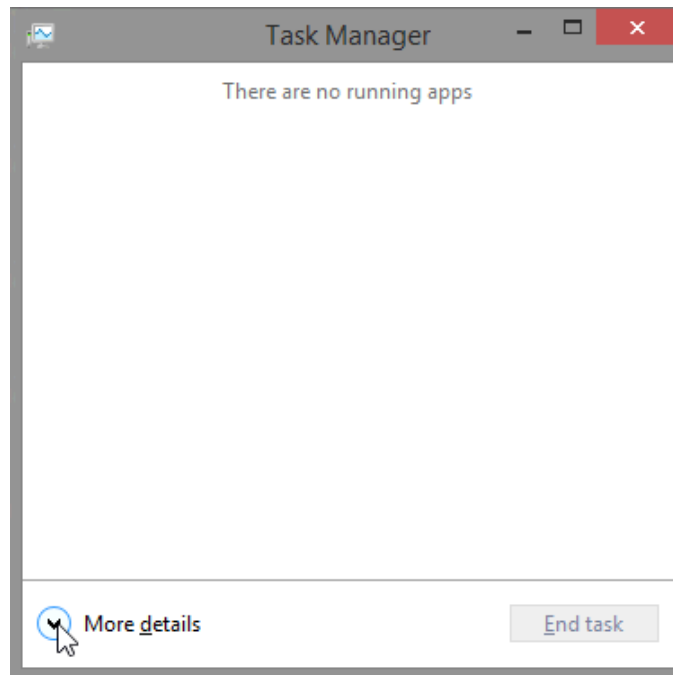
- f. Bring up **Task Manager** again by clicking on its icon in the task bar. Highlight the browser, and click **End task**.



What happened?

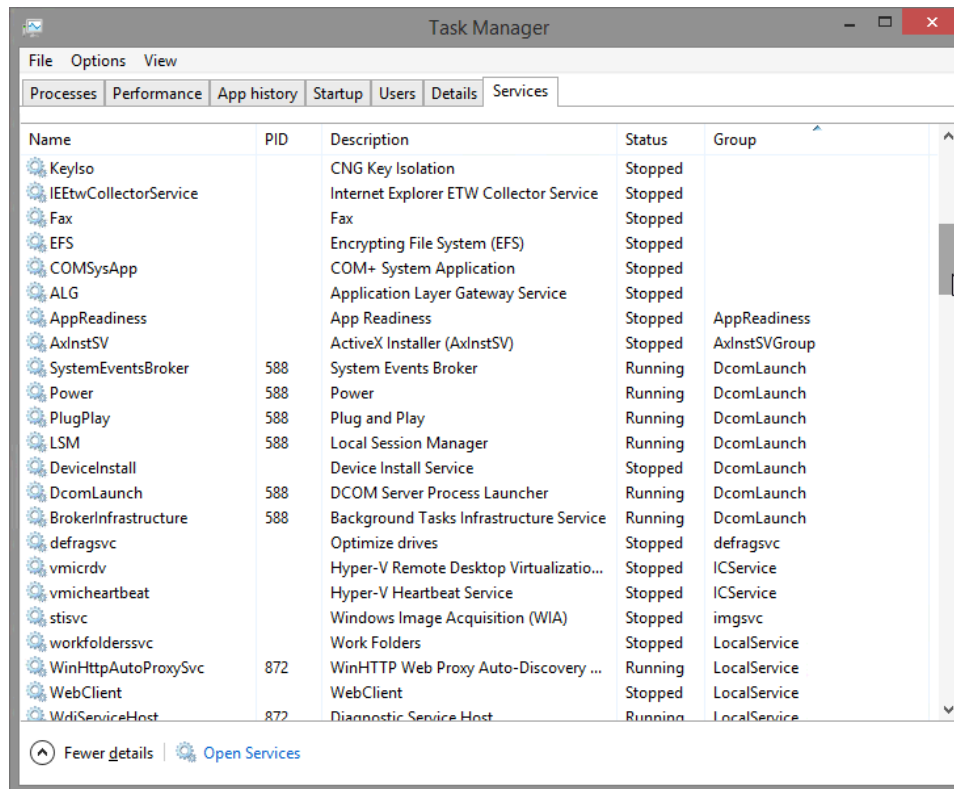
Step 2: Work in the Services tab of Task Manager.

- a. Click **More Details** at the bottom-left corner of Task Manager.



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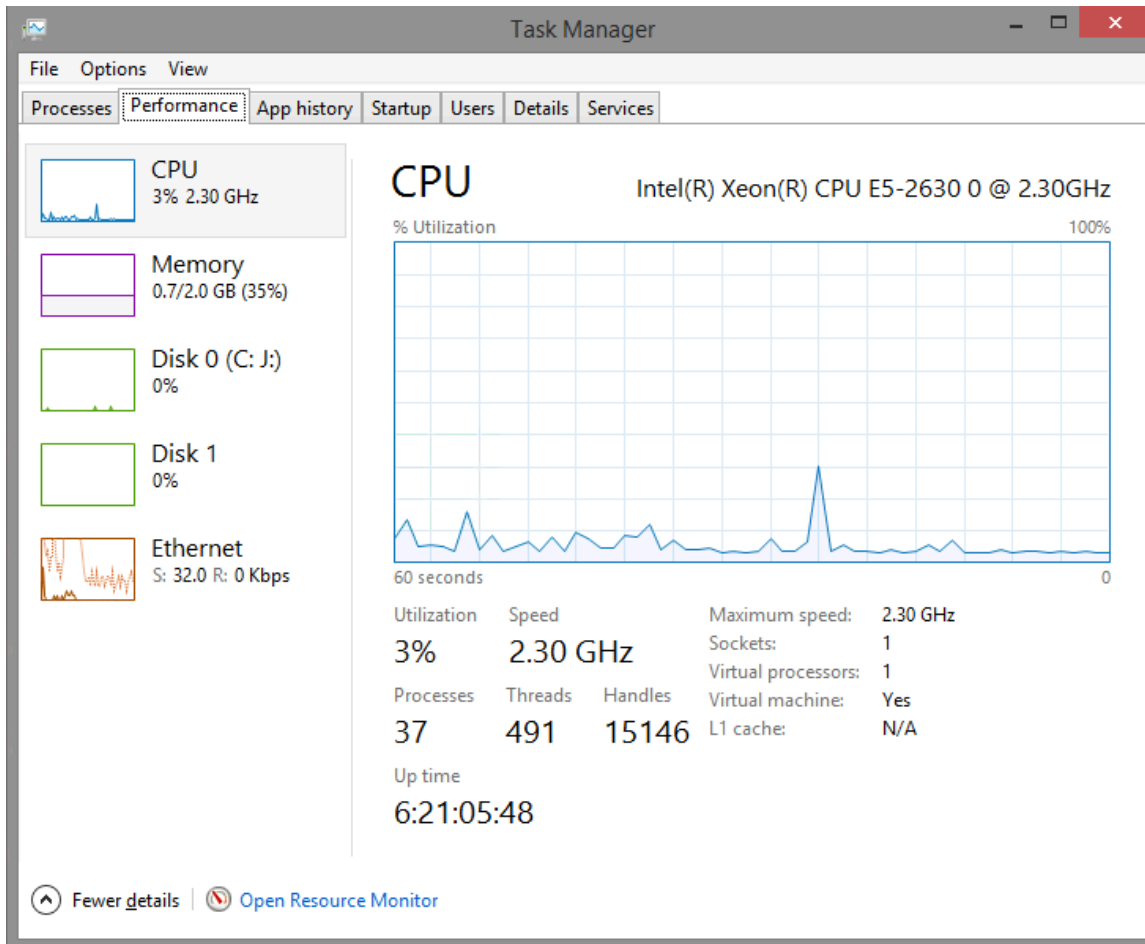
- b. Click the **Services** tab. Use the scroll bar on the right side of the **Services** window to view all the services listed



What statuses are listed?

Step 3: Work in the Performance tab of Task Manager.

- a. Click the **Performance** tab.

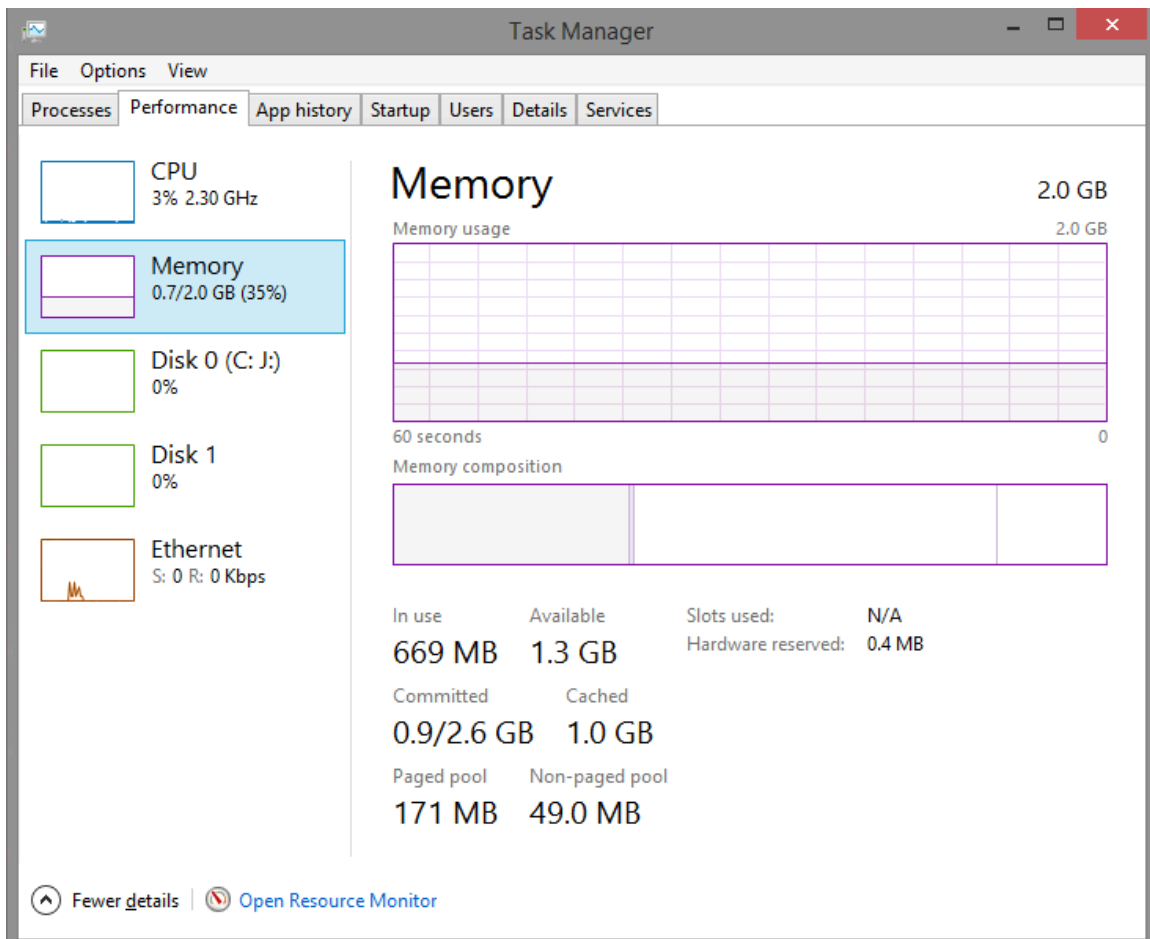


How many threads are running?

How many processes are running?

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- b. Click on the **Memory Chart** in the left panel of the **Performances** tab.



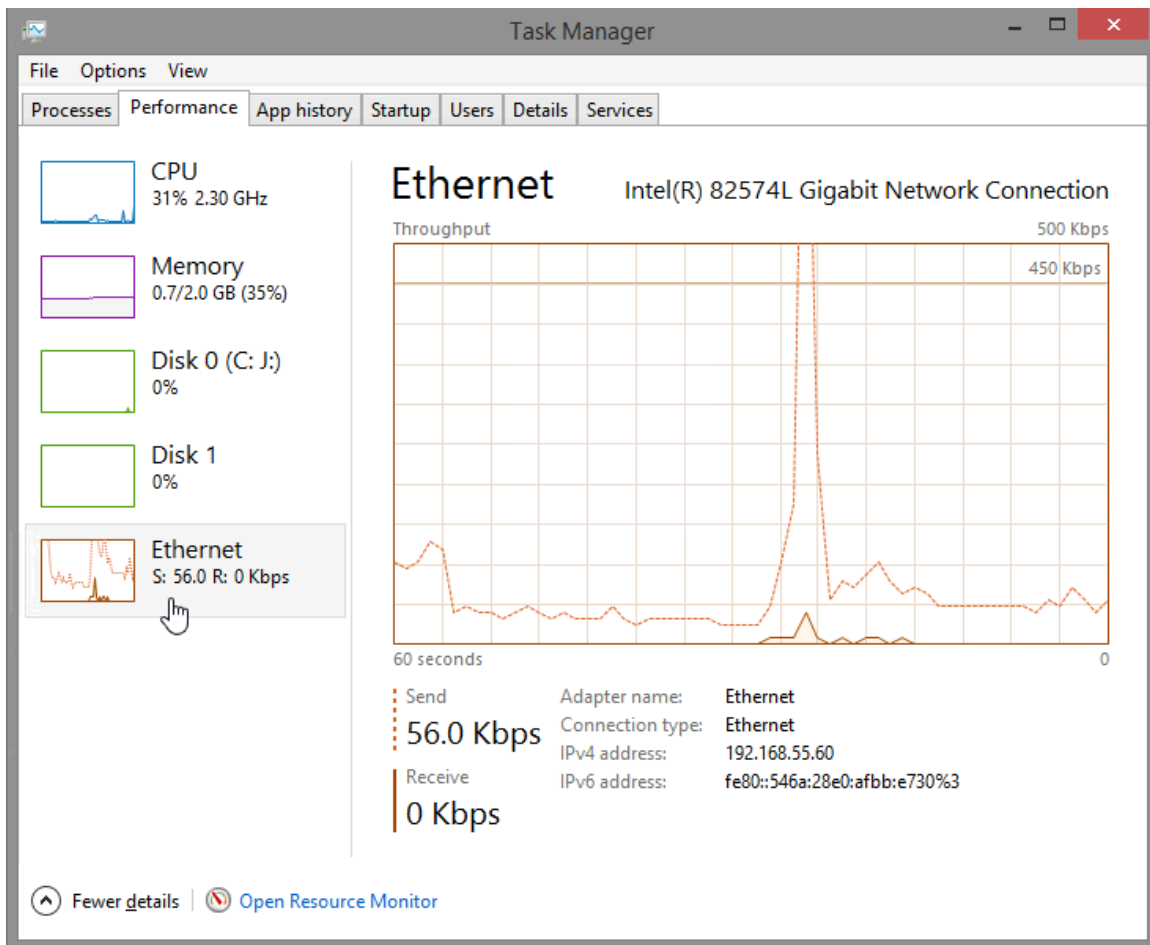
What is the total physical memory (MB)?

What is the available physical memory (MB)?

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

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- c. Click the **Ethernet Chart** in the left panel of the **Performances** tab.



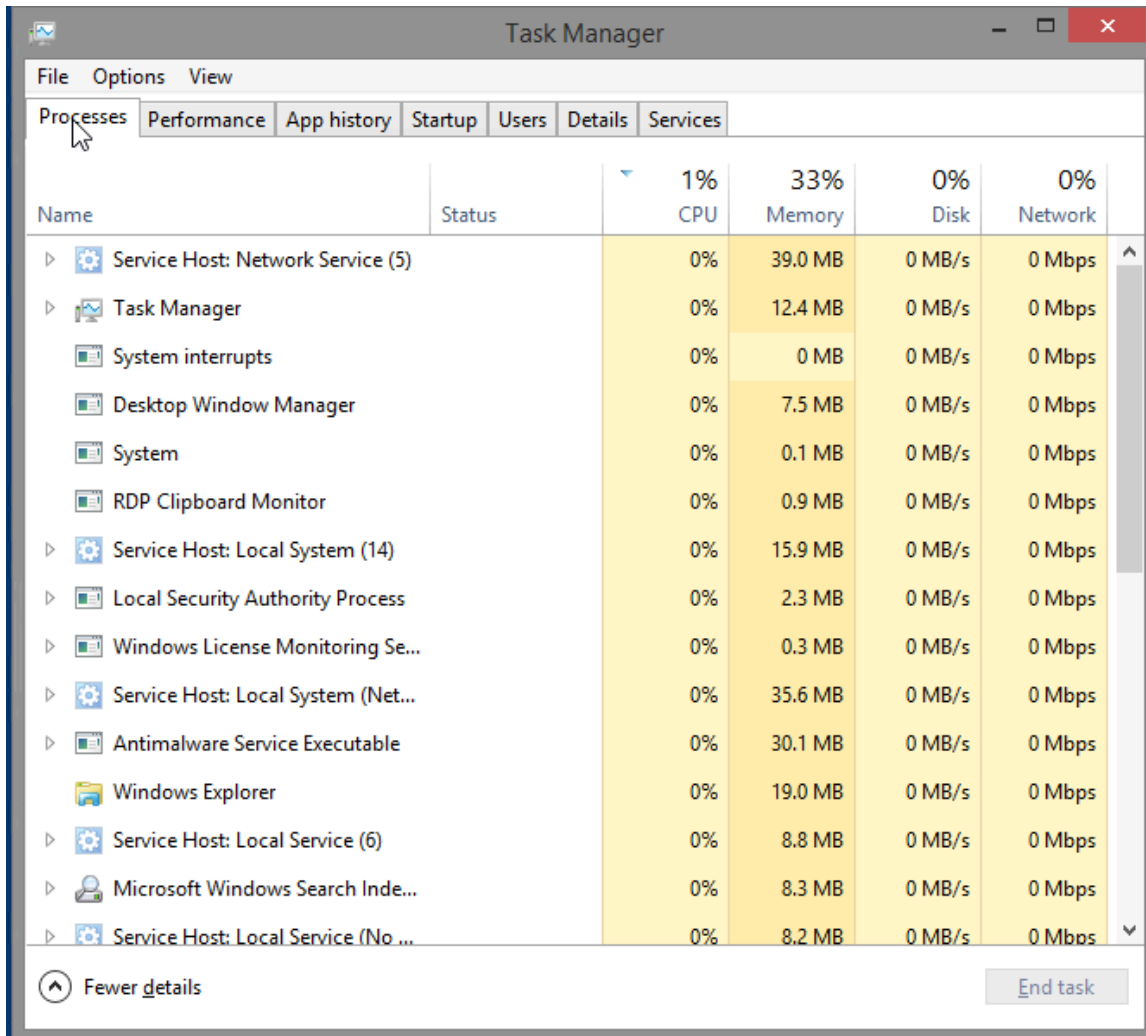
What is the link speed?

What is the IPv4 address of the PC?

Note: You can click **Open Resource Monitor** to bring up the Resource Monitor utility from the Performance tab in Task Manager.

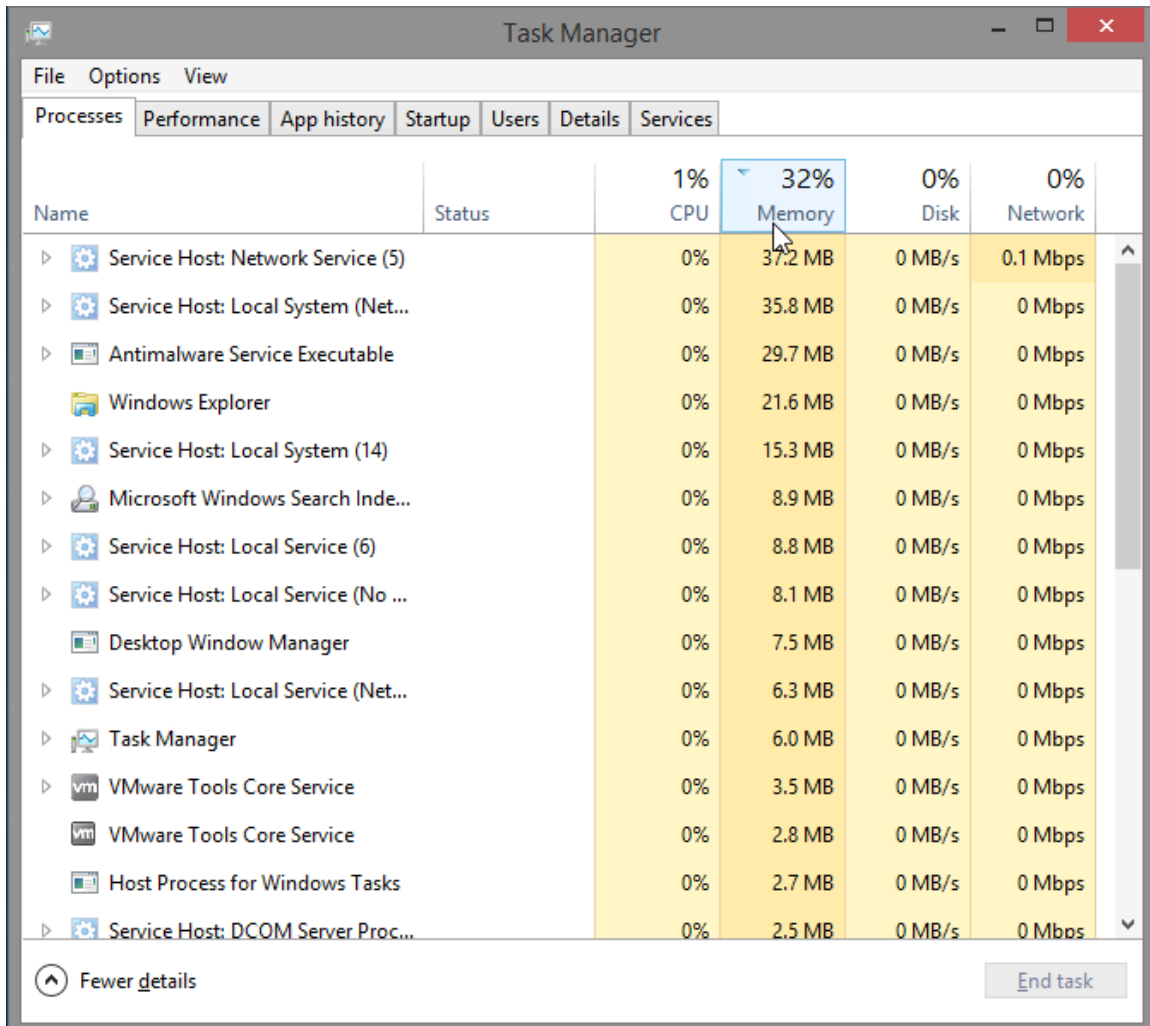
Step 4: Work in the Processes tab of Task Manager.

- a. Click the **Processes** tab.



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



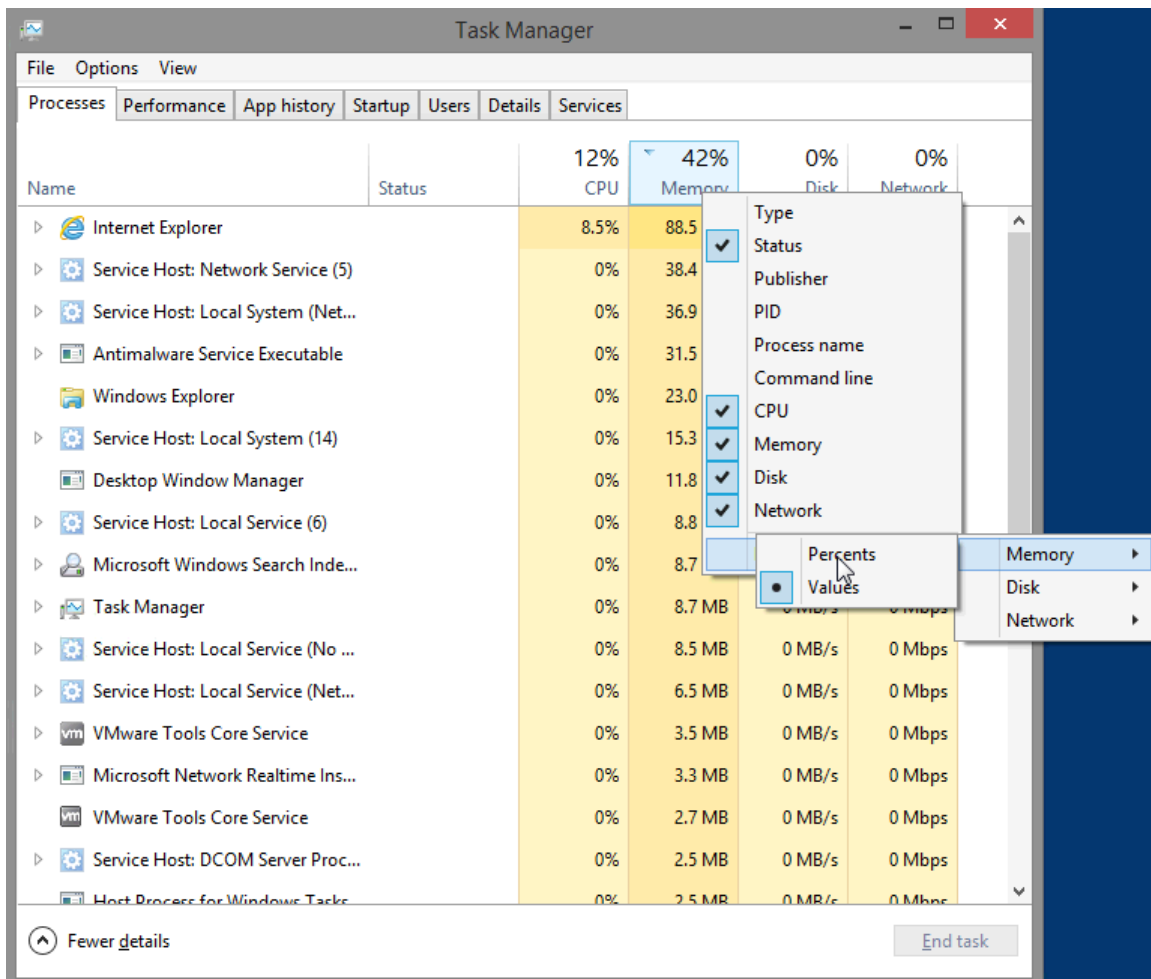
The screenshot shows the Windows Task Manager Performance tab. The 'Memory' column is selected, and the '32%' value is highlighted. The table below shows the memory usage for various system processes.

Name	Status	1% CPU	32% Memory	0% Disk	0% Network
Service Host: Network Service (5)		0%	37.2 MB	0 MB/s	0.1 Mbps
Service Host: Local System (Net...)		0%	35.8 MB	0 MB/s	0 Mbps
Antimalware Service Executable		0%	29.7 MB	0 MB/s	0 Mbps
Windows Explorer		0%	21.6 MB	0 MB/s	0 Mbps
Service Host: Local System (14)		0%	15.3 MB	0 MB/s	0 Mbps
Microsoft Windows Search Inde...		0%	8.9 MB	0 MB/s	0 Mbps
Service Host: Local Service (6)		0%	8.8 MB	0 MB/s	0 Mbps
Service Host: Local Service (No ...)		0%	8.1 MB	0 MB/s	0 Mbps
Desktop Window Manager		0%	7.5 MB	0 MB/s	0 Mbps
Service Host: Local Service (Net...)		0%	6.3 MB	0 MB/s	0 Mbps
Task Manager		0%	6.0 MB	0 MB/s	0 Mbps
VMware Tools Core Service		0%	3.5 MB	0 MB/s	0 Mbps
VMware Tools Core Service		0%	2.8 MB	0 MB/s	0 Mbps
Host Process for Windows Tasks		0%	2.7 MB	0 MB/s	0 Mbps
Service Host: DCOM Server Proc...		0%	2.5 MB	0 MB/s	0 Mbps

What effect does this have on the columns?

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



What affect does this have on the Memory column?

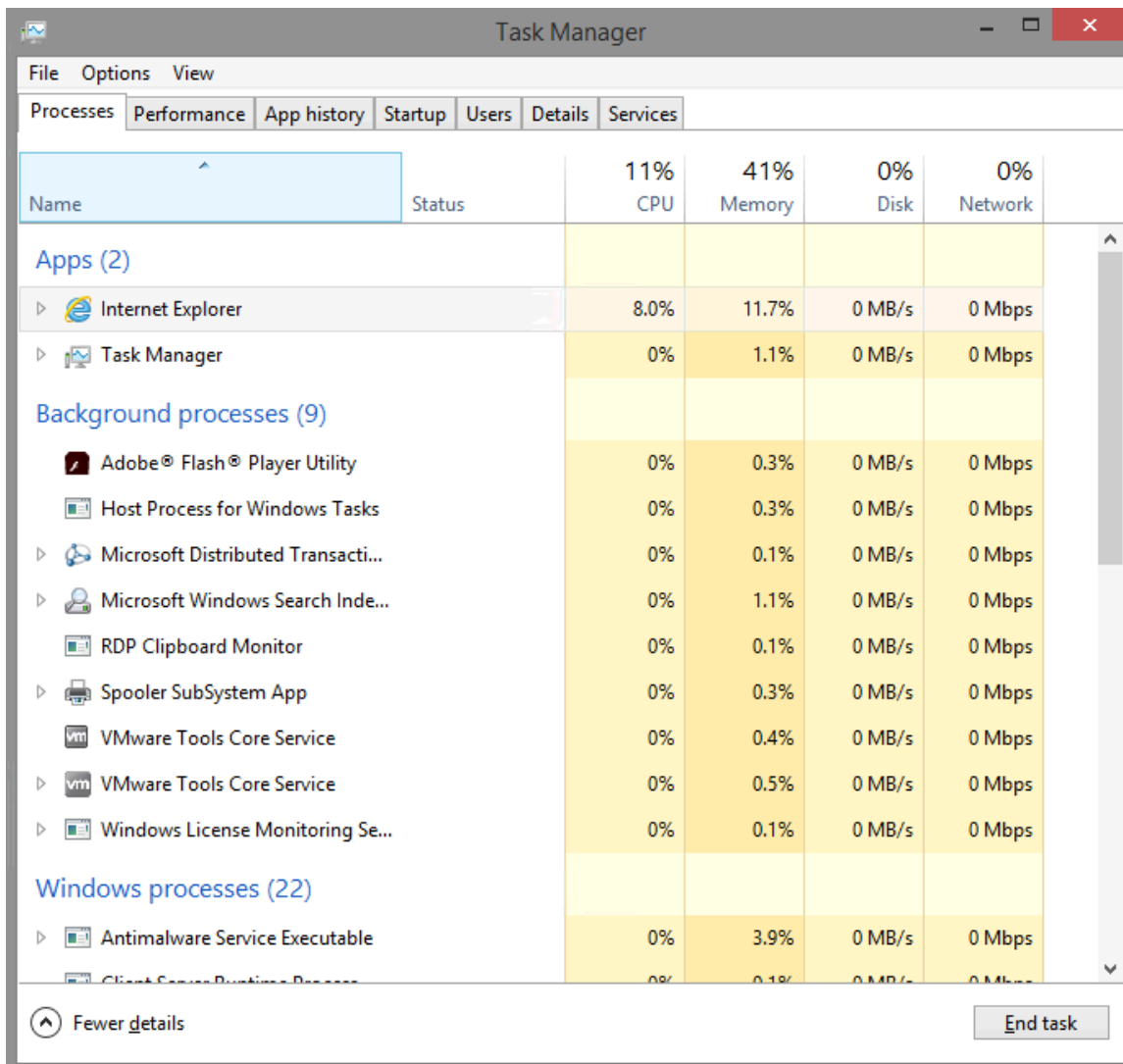
How could this be useful?

- d. Open a browser.

Note: Internet Explorer is used in this lab. However, any browser will work. Just substitute your browser name whenever you see the **Internet Explorer**.

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- e. Return to the **Task Manager**. Click the **Name** heading.



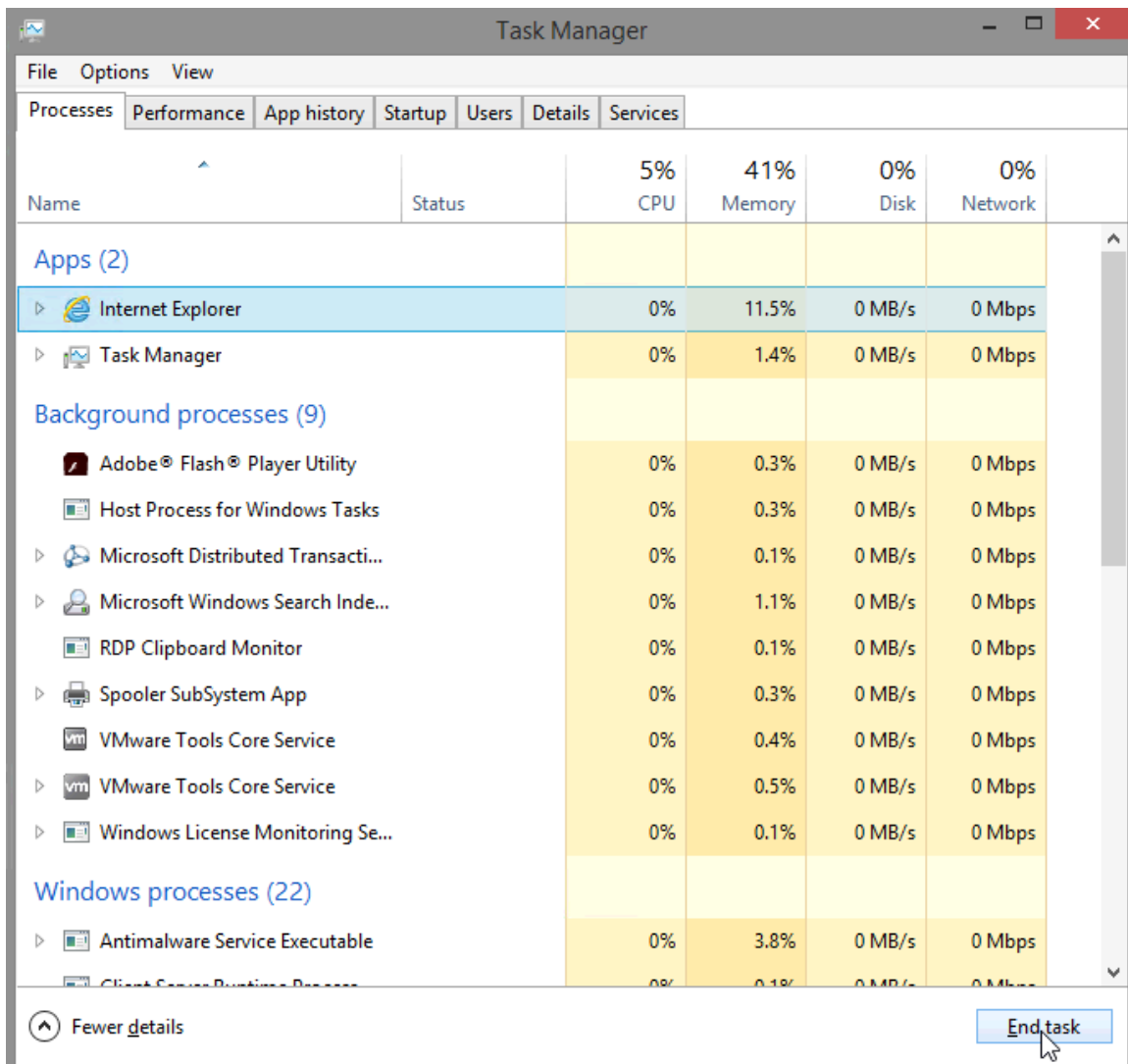
The screenshot shows the Windows Task Manager window with the Performance tab selected. The 'Processes' section is active, displaying a list of running processes categorized into 'Apps (2)', 'Background processes (9)', and 'Windows processes (22)'. The columns shown are Name, Status, CPU, Memory, Disk, and Network. The 'Name' column is highlighted, indicating it is the selected sorting criterion.

Name	Status	11% CPU	41% Memory	0% Disk	0% Network
Apps (2)					
Internet Explorer		8.0%	11.7%	0 MB/s	0 Mbps
Task Manager		0%	1.1%	0 MB/s	0 Mbps
Background processes (9)					
Adobe® Flash® Player Utility		0%	0.3%	0 MB/s	0 Mbps
Host Process for Windows Tasks		0%	0.3%	0 MB/s	0 Mbps
Microsoft Distributed Transacti...		0%	0.1%	0 MB/s	0 Mbps
Microsoft Windows Search Inde...		0%	1.1%	0 MB/s	0 Mbps
RDP Clipboard Monitor		0%	0.1%	0 MB/s	0 Mbps
Spooler SubSystem App		0%	0.3%	0 MB/s	0 Mbps
VMware Tools Core Service		0%	0.4%	0 MB/s	0 Mbps
VMware Tools Core Service		0%	0.5%	0 MB/s	0 Mbps
Windows License Monitoring Se...		0%	0.1%	0 MB/s	0 Mbps
Windows processes (22)					
Antimalware Service Executable		0%	3.9%	0 MB/s	0 Mbps
Client Server Runtime Process		0%	0.1%	0 MB/s	0 Mbps

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

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- f. Select **Internet Explorer**, and click **End Task**.



- g. Close all open windows.

Reflection

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