Answers: 6.1.2.12. Lab - Manage Virtual Memory in Windows 8

Introduction

In this lab, you will customize virtual memory settings.
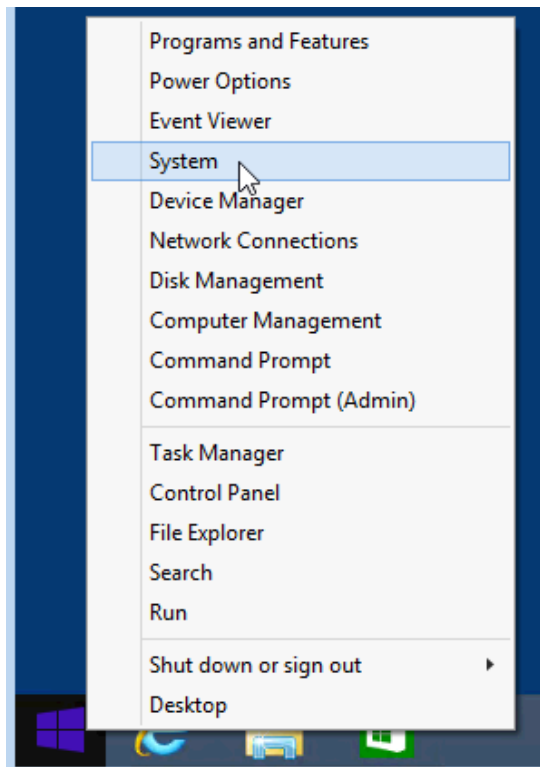
Recommended Equipment

- A computer with Windows 8 installed
- The hard drive must have two or more partitions.

    Note: At least 2GB of free space is recommended on the second partition.
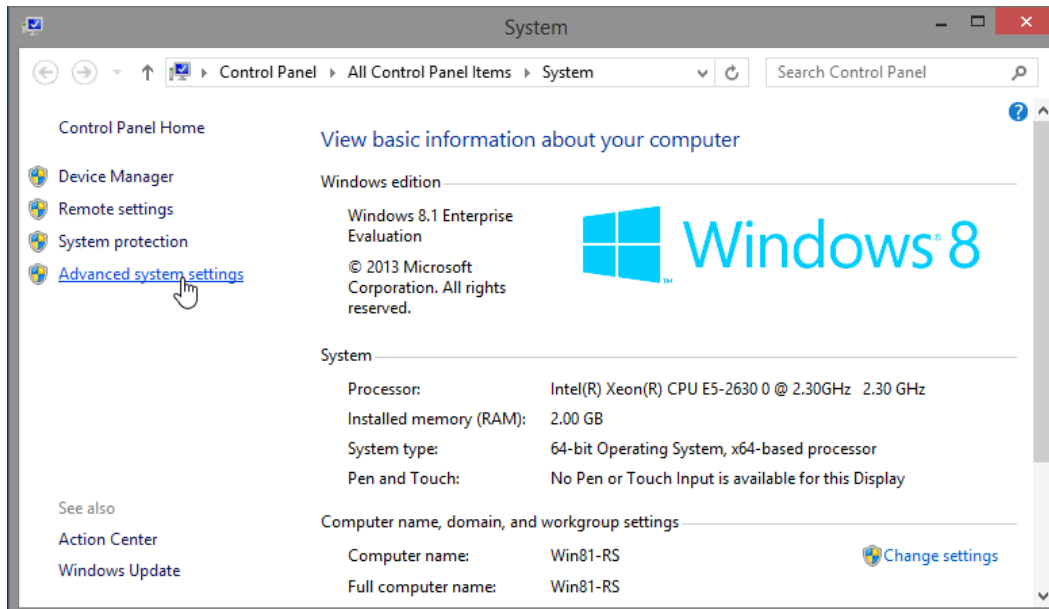
Step 1:   Open System Properties

a.   Right-click **Start** and select **System**.

Note: In Windows 8.0, bring up the charms menu, click **Search,** type **computer** and press **Enter**. Right-Click on **Computer** in the left pane of the **Computer** window and select **Properties**.
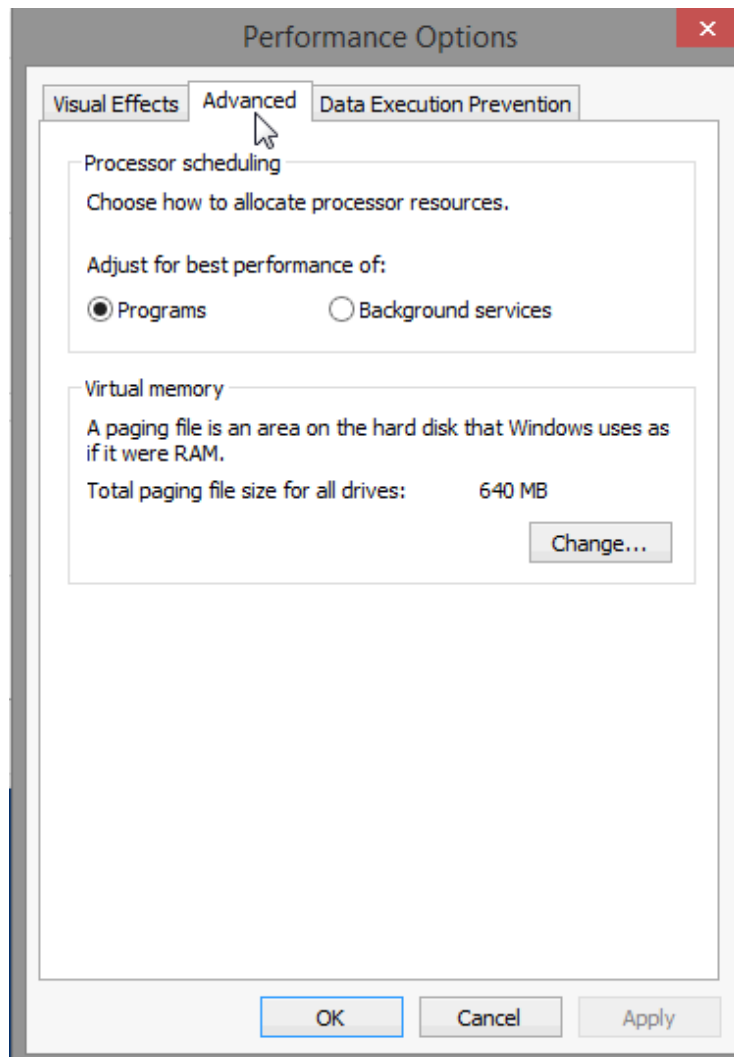
b.   In the **System** window, click **Advanced system settings**.

c.   The **System Properties** window opens. Select the **Advanced** tab and click **Settings** in the Performance area.
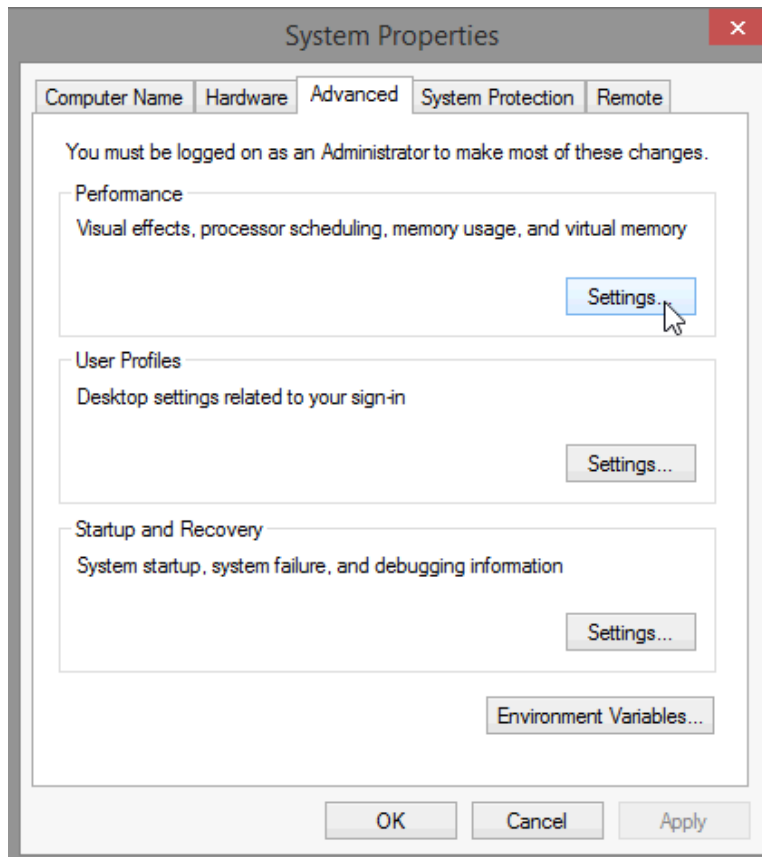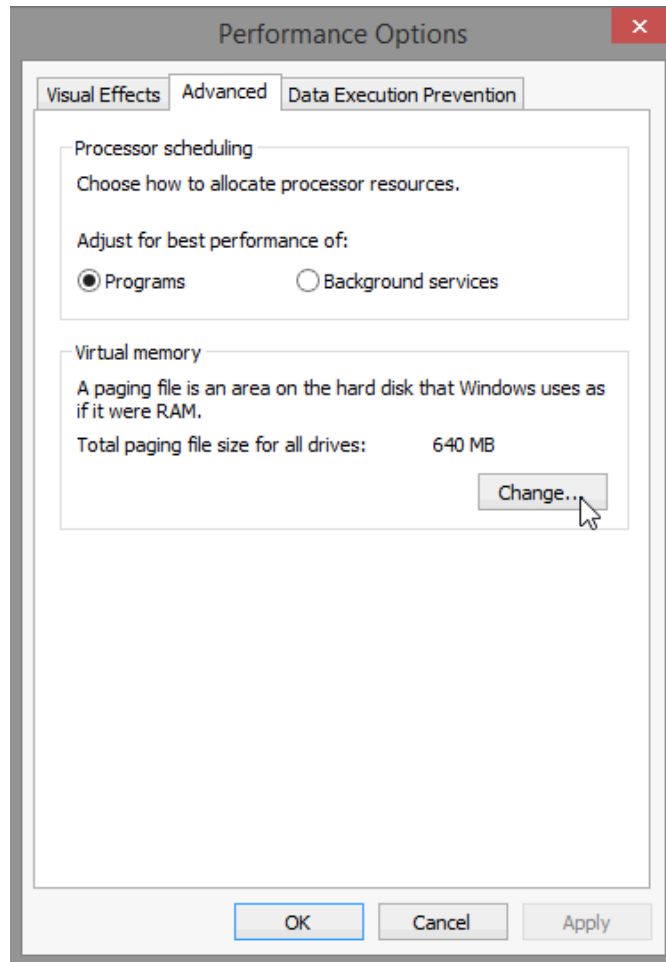
d.   The **Performance Options** window opens. Click the **Advanced** tab.

What is the current size of the virtual memory (paging file)?

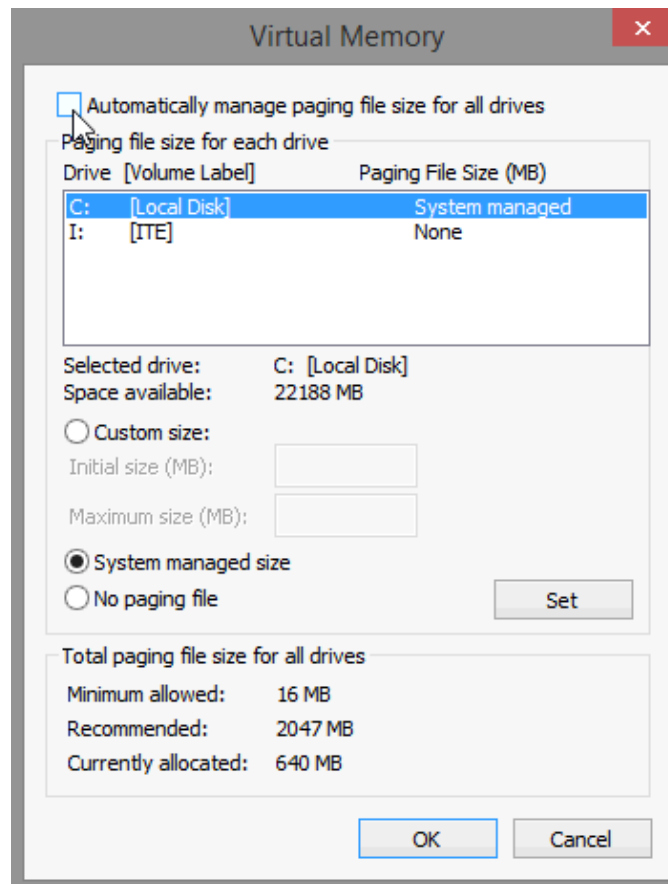### Step 2:   Make virtual memory changes.

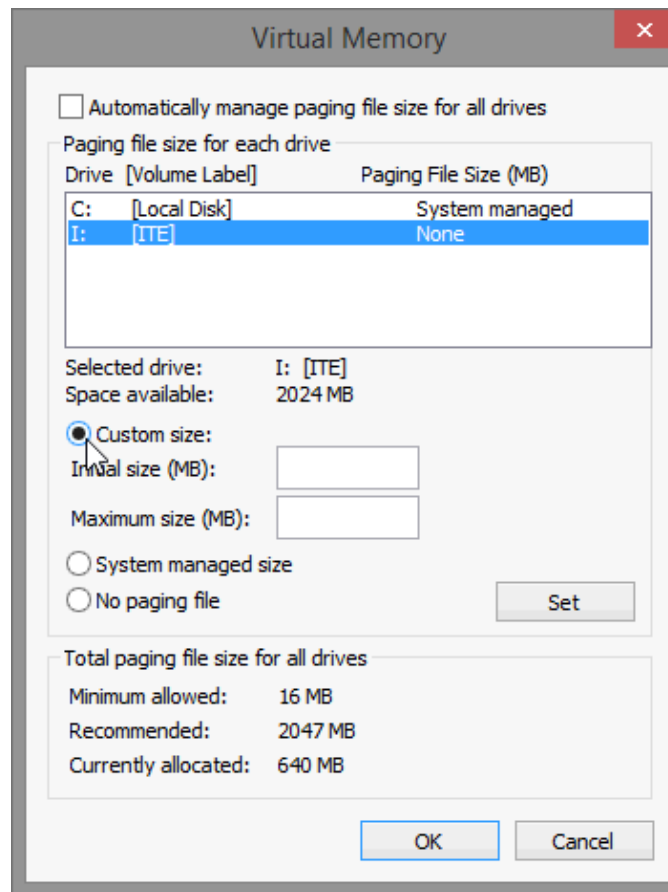a.   Click **Change** in the Virtual memory area to open the **Virtual Memory** window.

b. Remove the check mark from **Automatically manage paging file size for all drives**.

What Drive [Volume Label] contains the paging file?

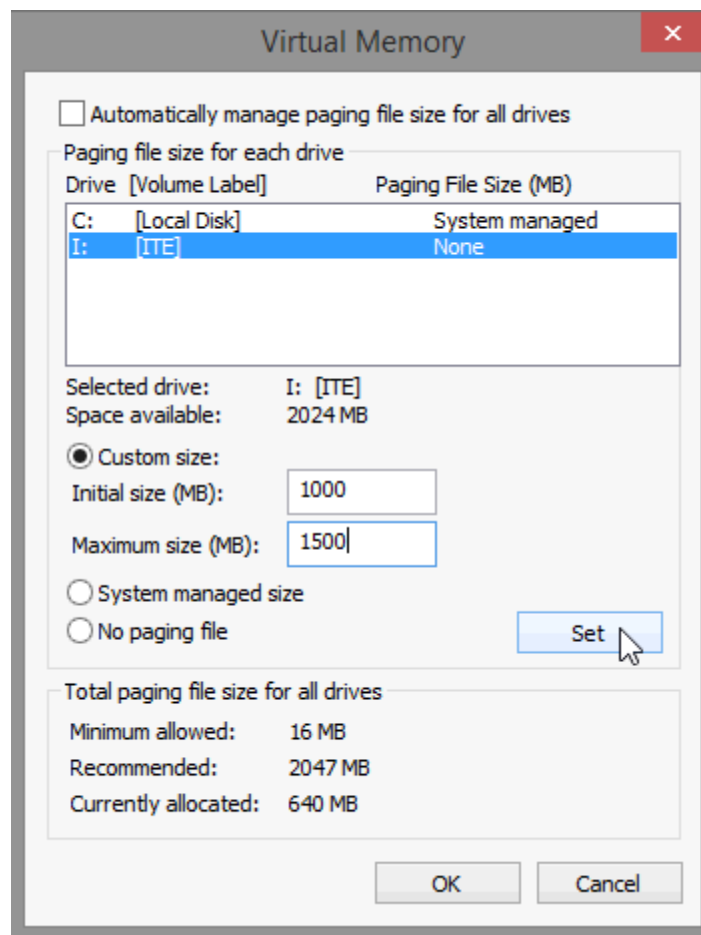c. Choose the **I:** drive. Select the **Custom size:** radio button.

Note: Your drive letter and volume may be different than the example. Replace **I:** with the drive letter for your second partition on your PC.

What is the recommended paging file size for all drives?
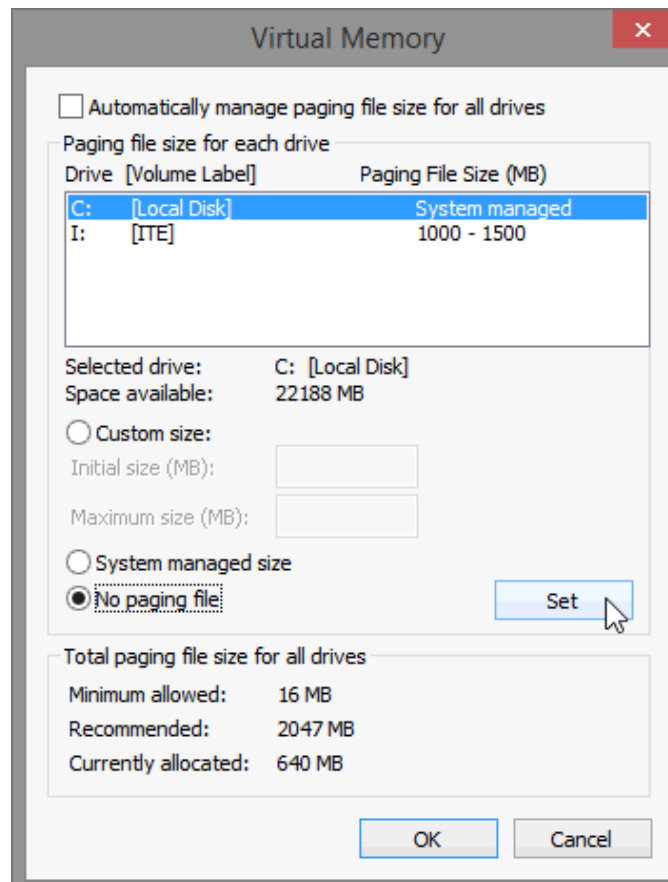
d. Enter a number smaller than the recommended file size in the **Initial size (MB):** field. Enter a number that is larger than the Initial size but smaller than the recommended file size in the **Maximum size (MB):** field. Click **Set**.
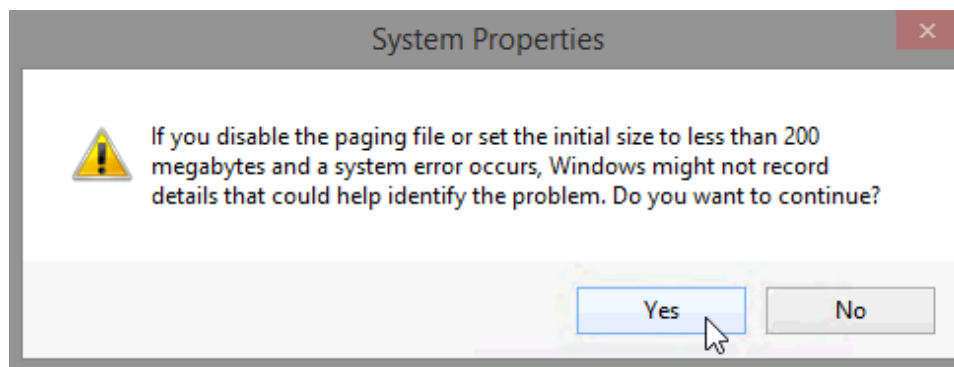
e.   Select the **C:** drive. Select the **No paging file** radio button, and click **Set**.

Virtual Memory

☐ Automatically manage paging file size for all drives

Paging file size for each drive

Drive [Volume Label]	Paging File Size (MB)
C: [Local Disk]	System managed
I: [ITE]	1000 - 1500

Selected drive: C: [Local Disk]
Space available: 22188 MB

○ Custom size:

Initial size (MB):

Maximum size (MB):

○ System managed size
◉ No paging file   Set

Total paging file size for all drives

Minimum allowed: 16 MB
Recommended: 2047 MB
Currently allocated: 640 MB

OK   Cancel

f.   The System Properties warning message displays. Click **Yes**.

System Properties

⚠ If you disable the paging file or set the initial size to less than 200 megabytes and a system error occurs, Windows might not record details that could help identify the problem. Do you want to continue?

Yes   No

g.   Click **OK** on the **Virtual Memory** window to accept the new virtual memory settings.

h.   Click **OK** on the **Performance Options** window to close it.

i.   Click **OK** on the **System Properties** window to close it.

**Step 3:   Navigate back to the Virtual Memory window to verify changes.**

a.   The **System Properties** window opens. Select the **Advanced** tab and click **Settings** in the Performance area.
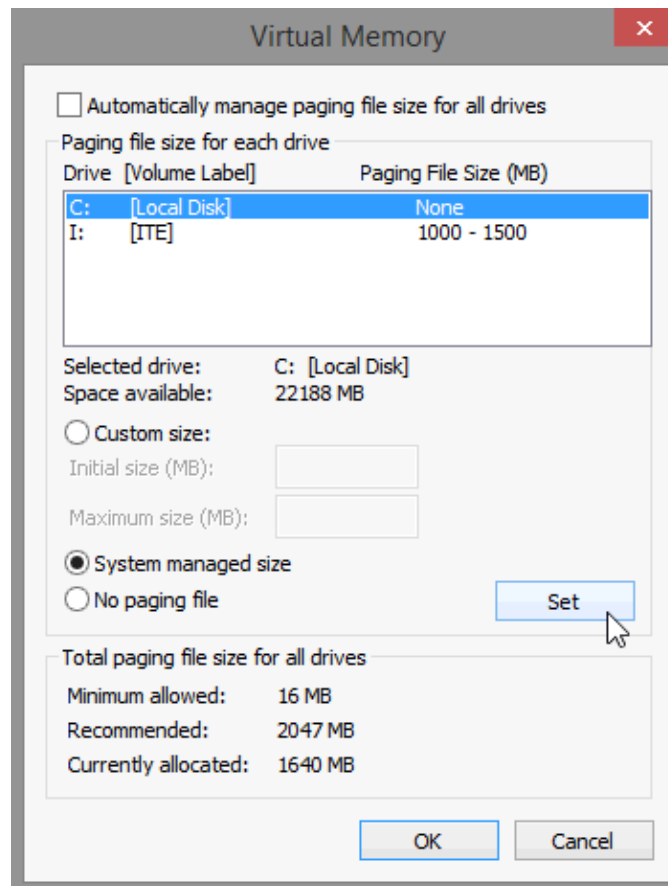
b. The **Performance Options** window opens. Select the **Advanced** tab and click **Change**.

c. The **Virtual Memory** window opens displaying the new paging file information. Verify that your changes have been made.
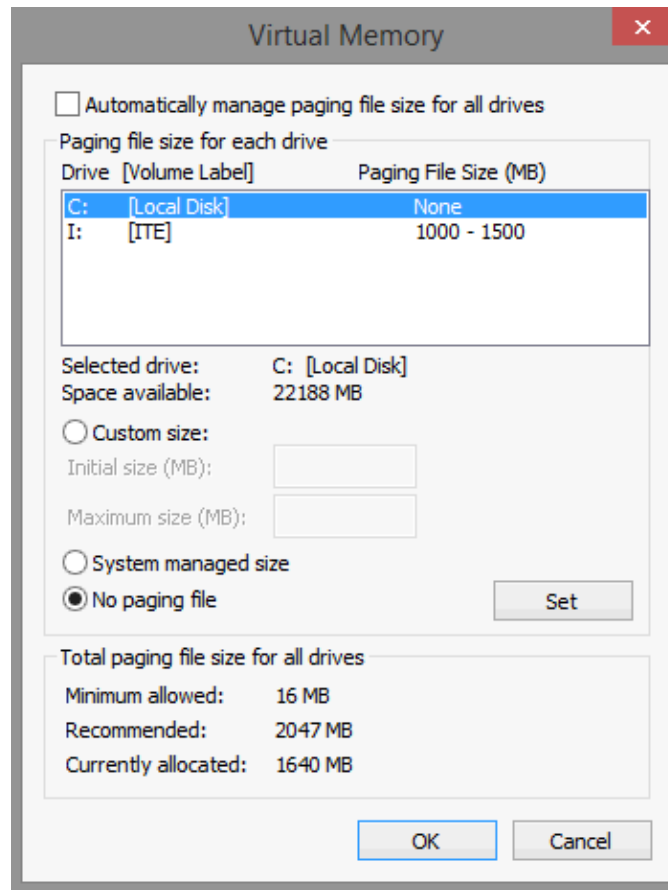
What Drive [Volume Label] contains the paging file?

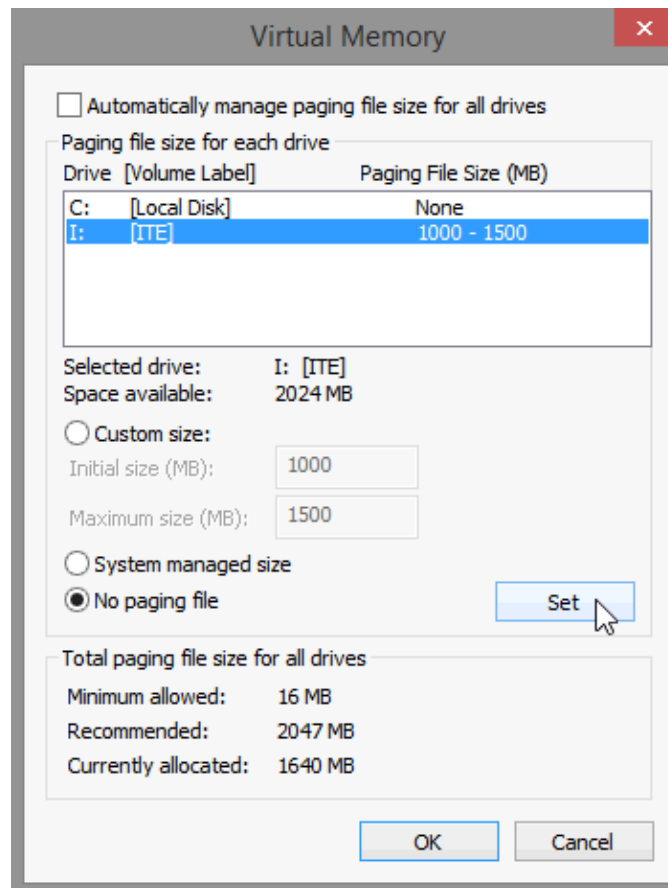**Step 4:   Reset the virtual memory back to the original settings.**

    a.   Select drive **C: [Local Disk] > System managed size > Set**.

b. Select **I: > No paging file > Set**.

c.   Check **Automatically manage paging file size for all drives**, and then click **OK**.
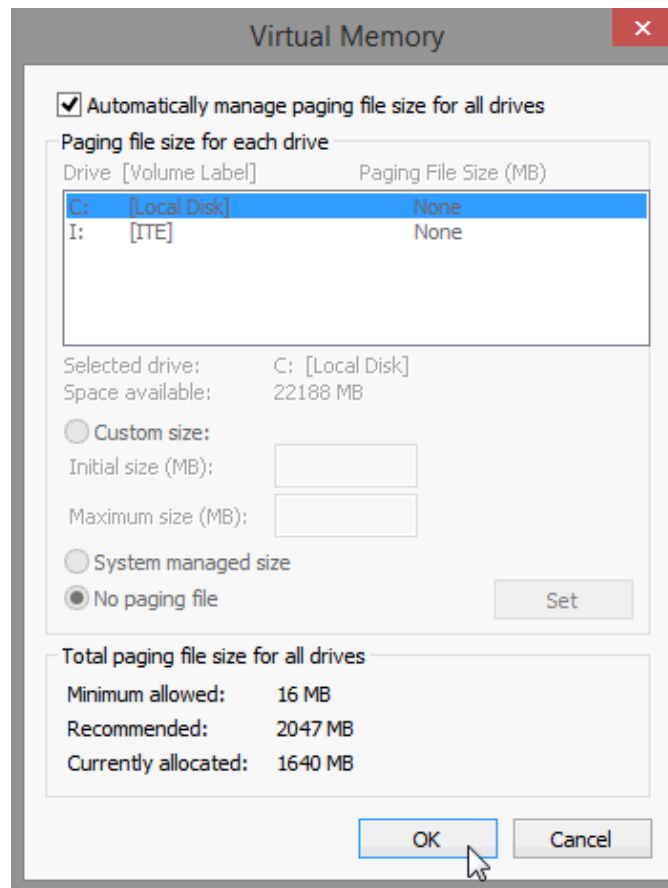
d.   The **System Properties** window opens informing you that a restart is required before changes will take effect. Click **OK**.
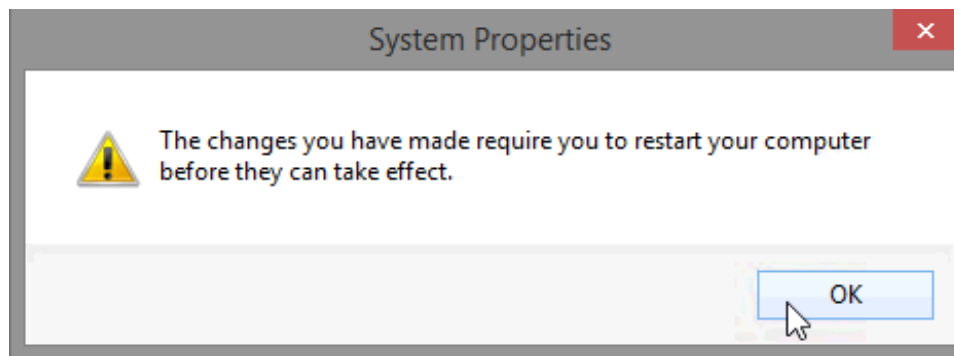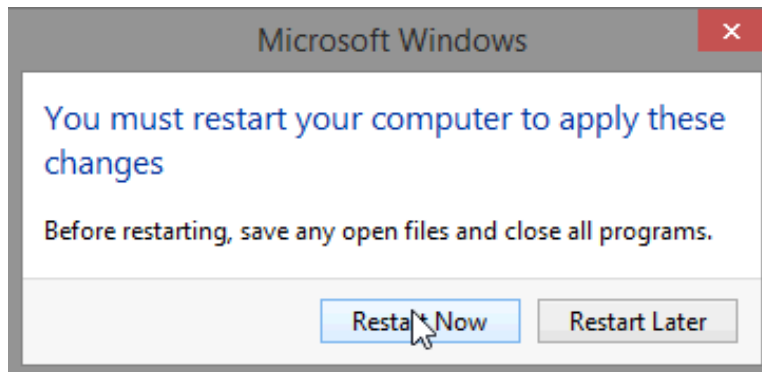
e.   Click **OK** to close the **Performance Options** window. Click **OK** to close the System Properties window.

f.   The warning message displays: You must restart your computer to apply these changes. Click **Restart Now**.

Reflection

Why would you ever change the default virtual memory page file settings in Windows?