# Lab - Manage Virtual Memory in Windows 8

## Introduction

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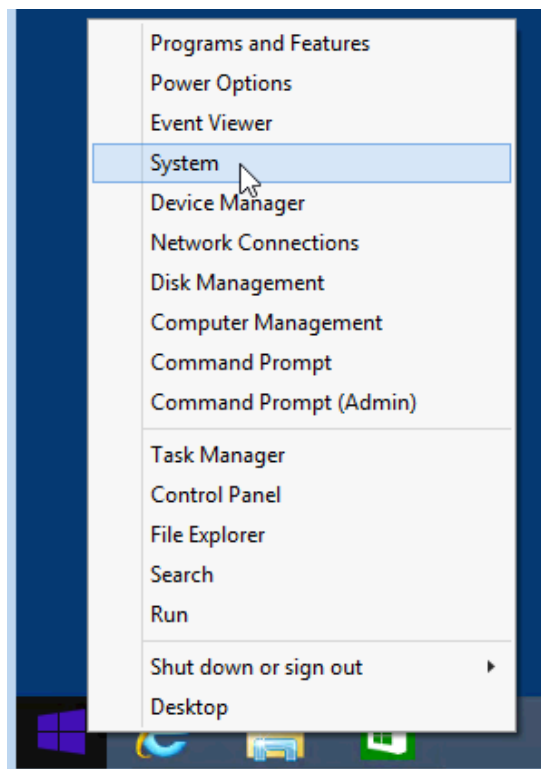
## Recommended Equipment

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

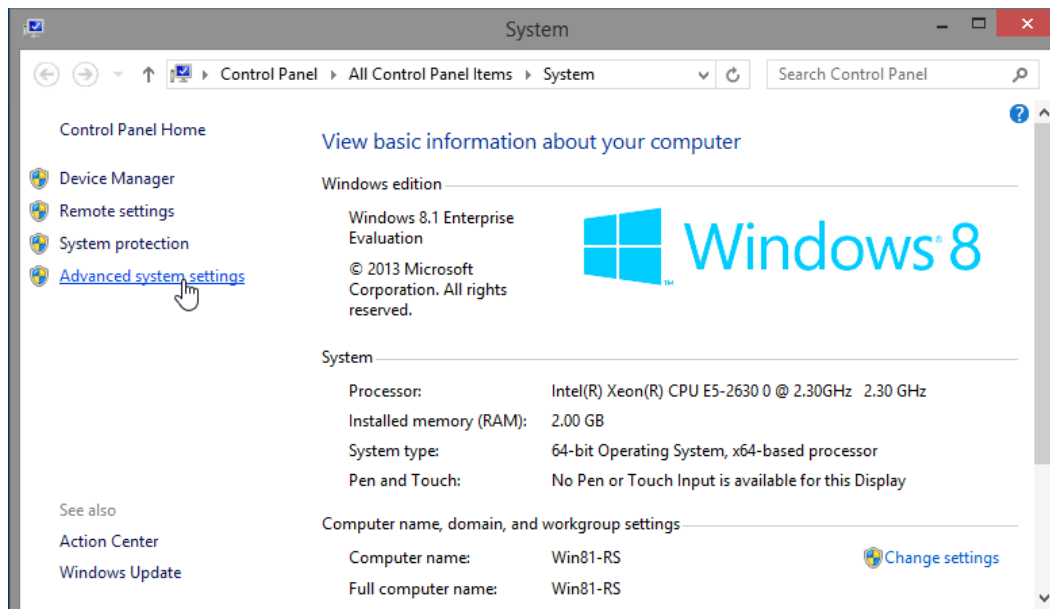    **Note**: At least 2GB of free space is recommended on the second partition.

## Step 1:  Open System Properties

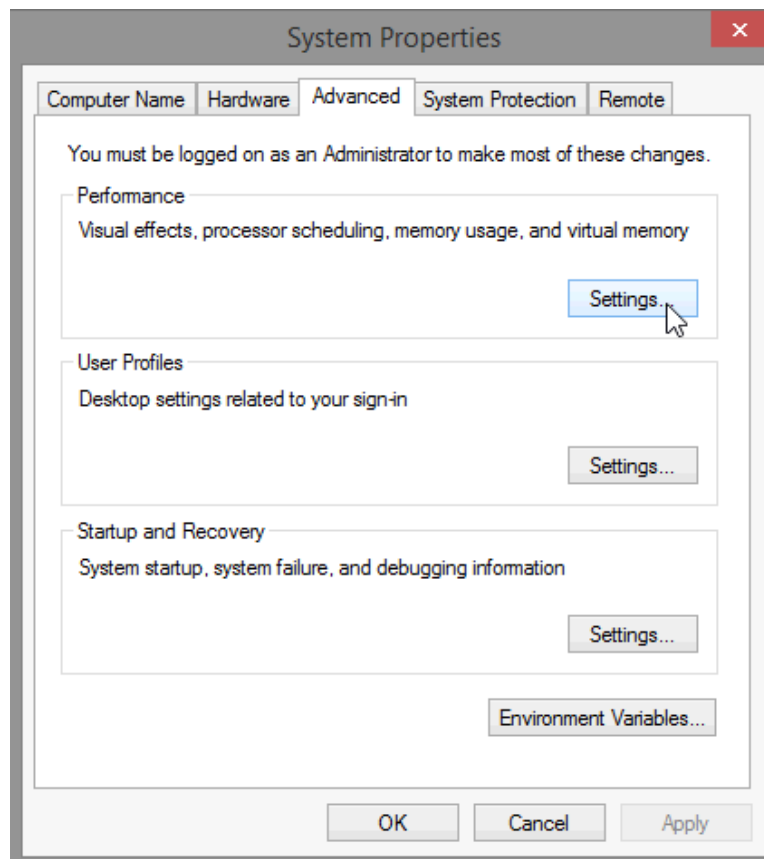a.  Right-click **Start** and select **System**.



**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**.
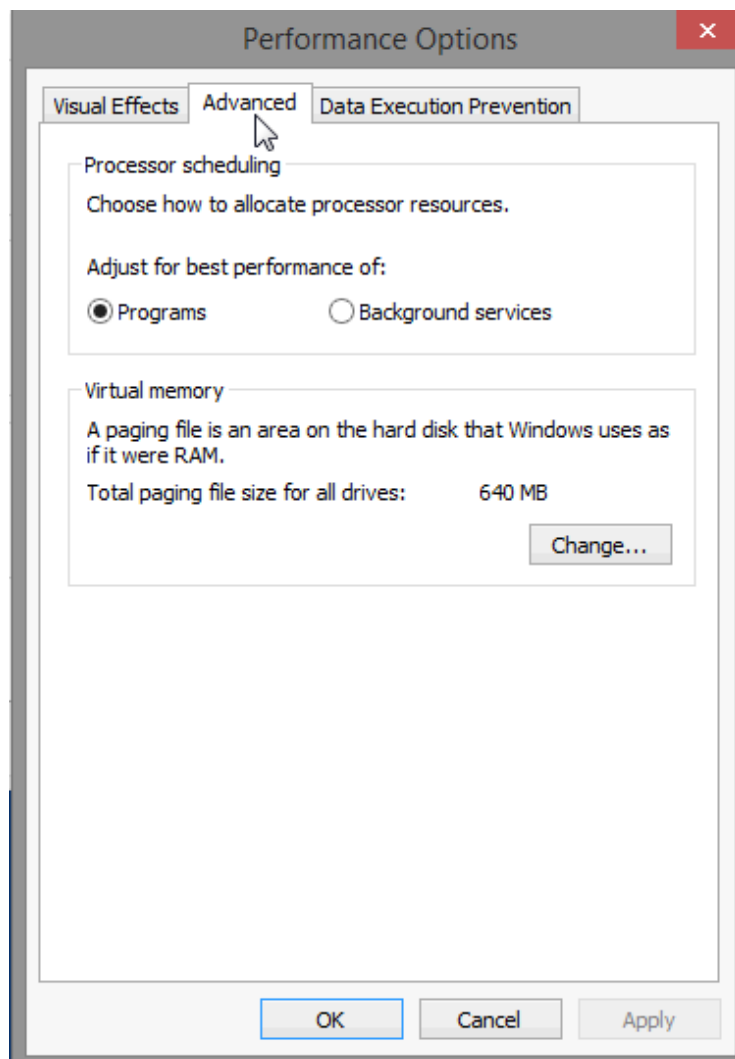
b.  In the **System** window, click **Advanced system settings**.



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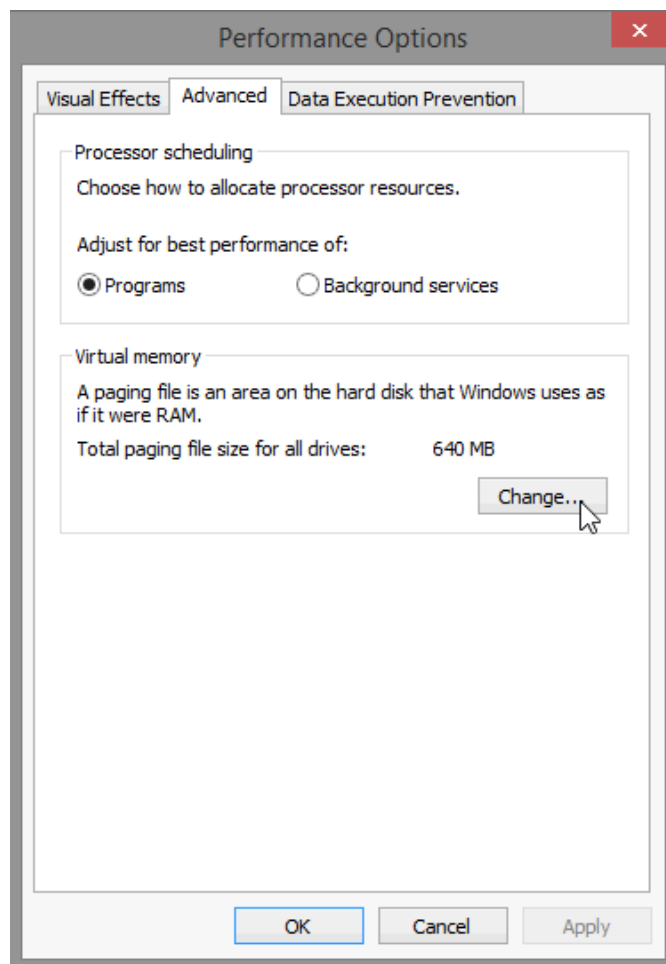
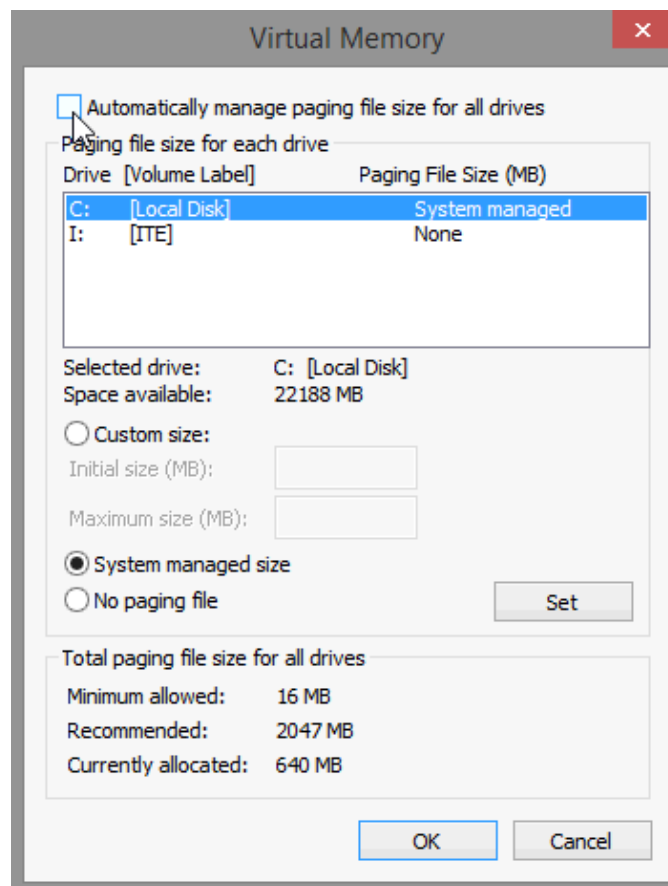d.   The **Performance Options** window opens. Click the **Advanced** tab.



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

### Step 2:   Make virtual memory changes.

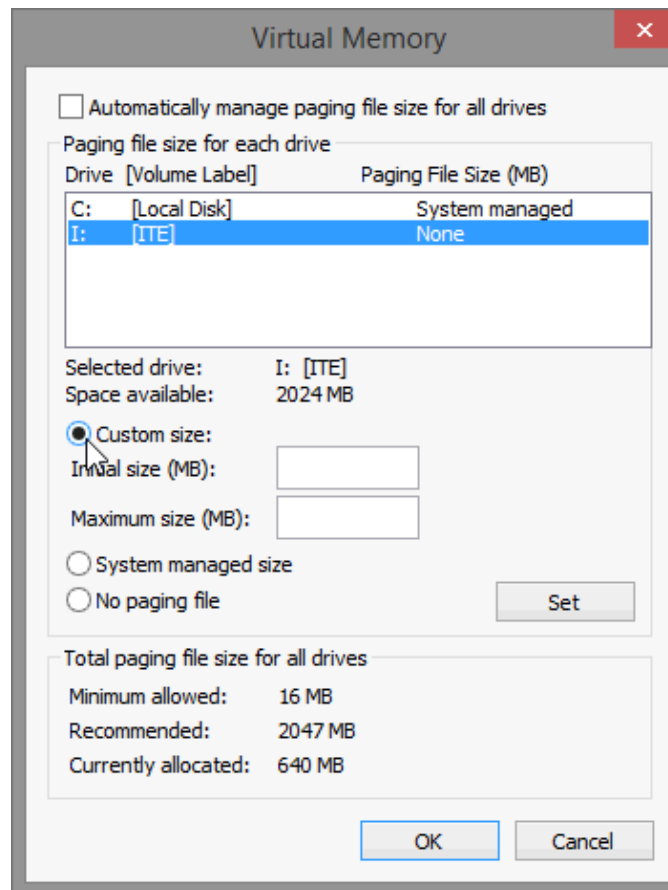a.   Click **Change** in the Virtual memory area to open the **Virtual Memory** window.

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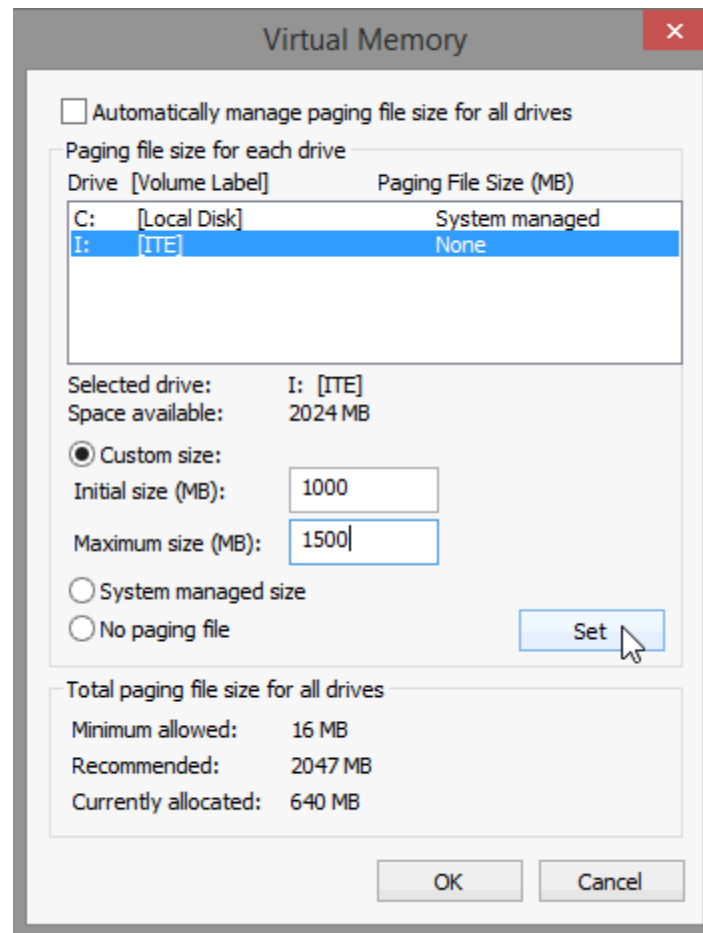


What Drive [Volume Label] contains the paging file?

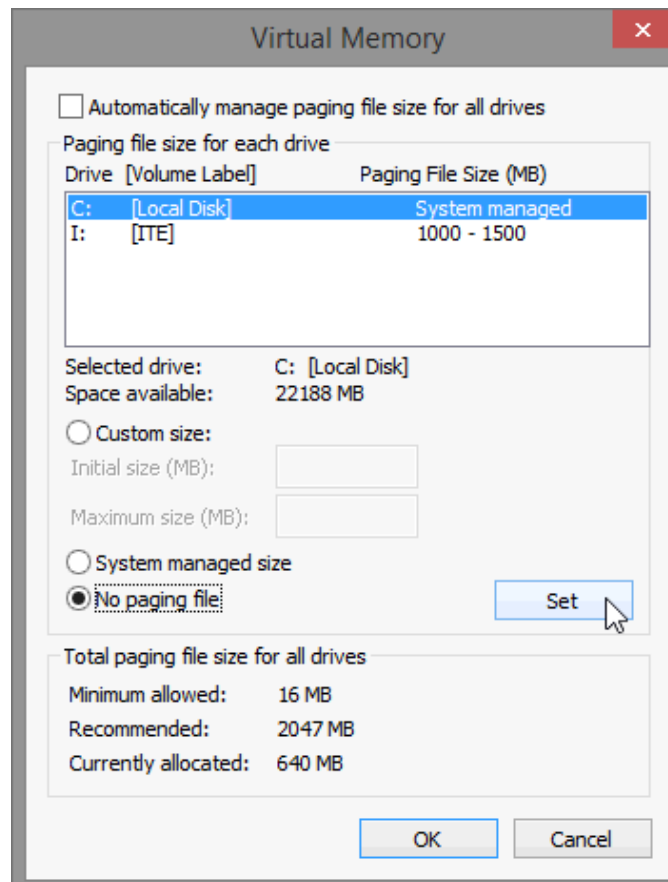c.   Choose the **I:** drive. Select the **Custom size:** radio button.



**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.

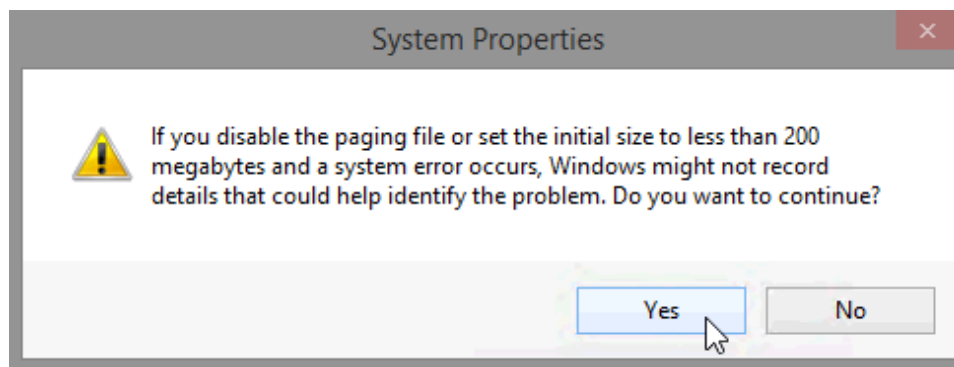What is the recommended paging file size for all drives?

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**.



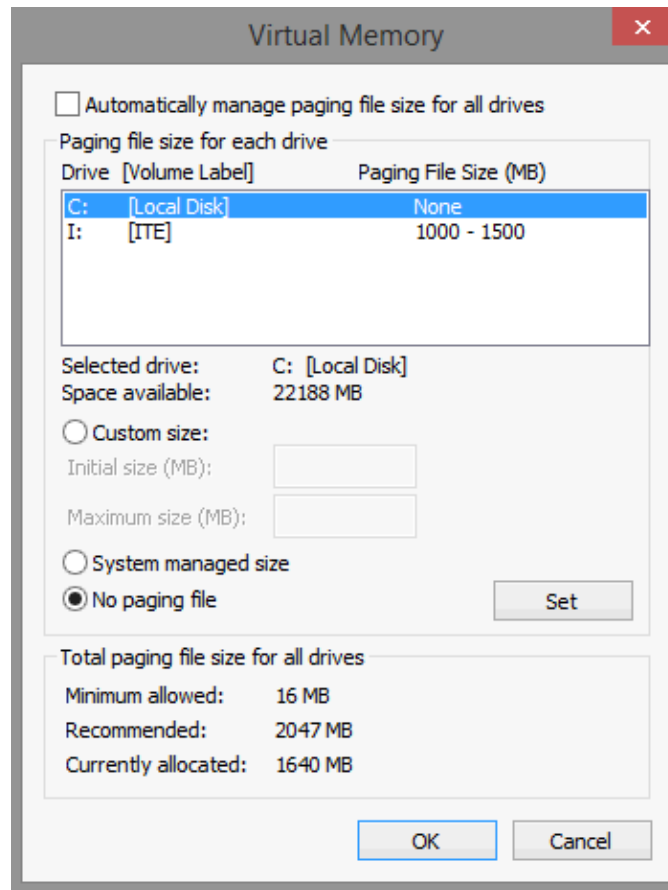f.   The System Properties warning message displays. Click **Yes**.



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.
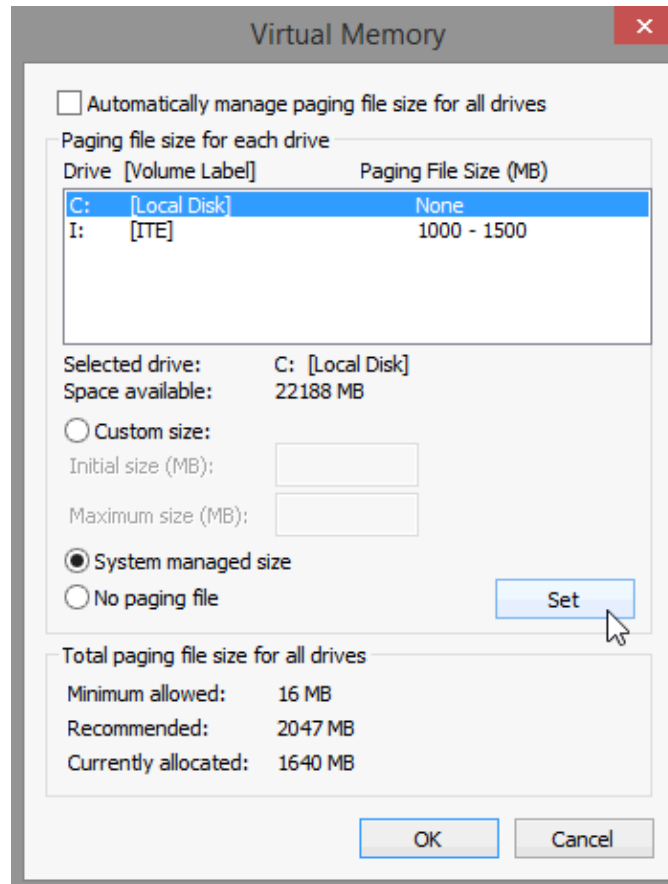
b.  The **Performance Options** window opens. Select the **Advanced** tab and click **Change**.

c.  The **Virtual Memory** window opens displaying the new paging file information. Verify that your changes have been made.
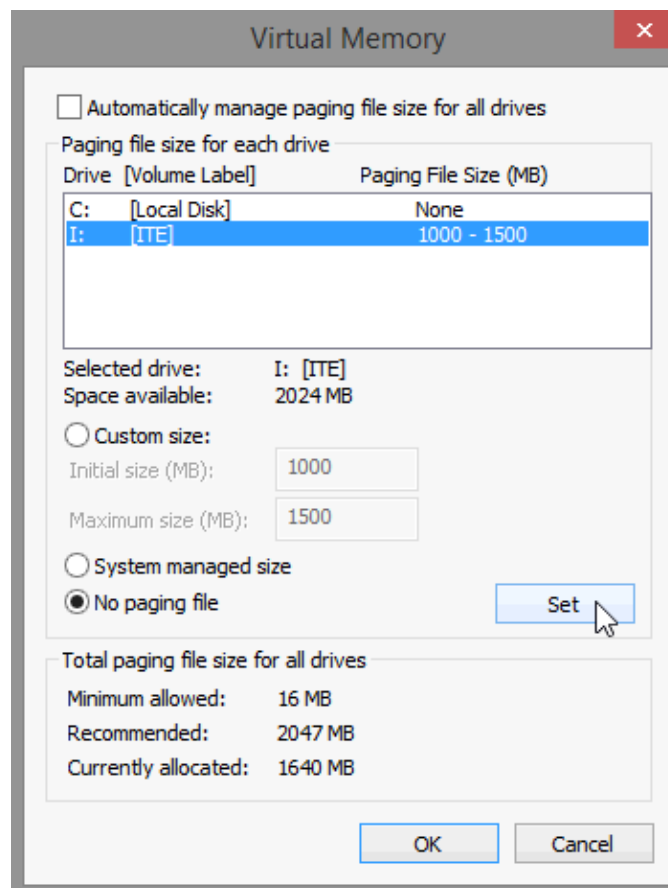


What Drive [Volume Label] contains the paging file?

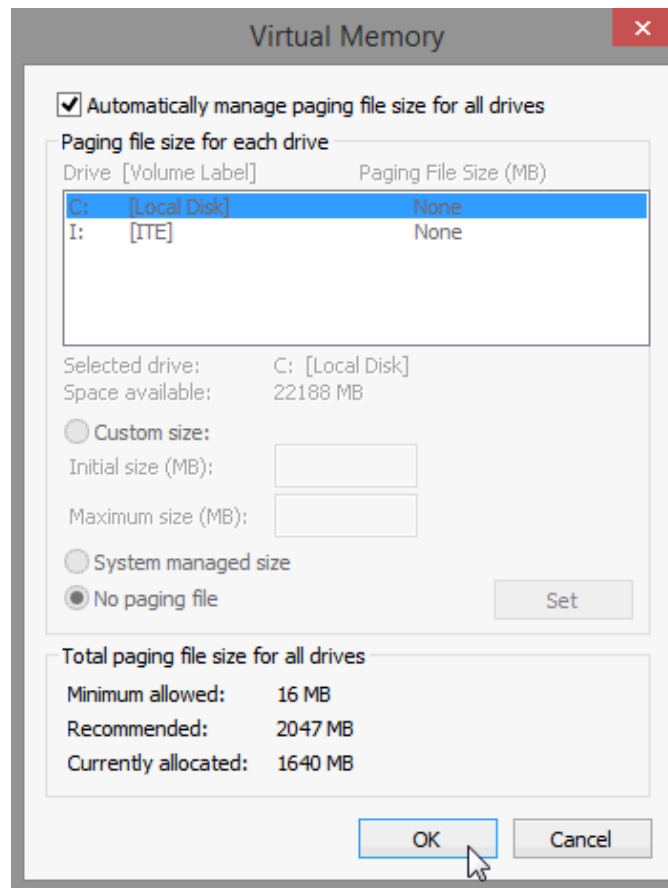### Step 4:  Reset the virtual memory back to the original settings.

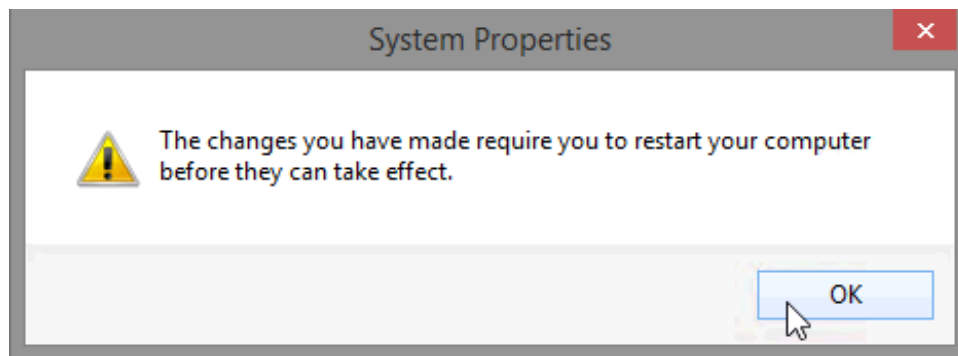a.  Select drive **C: [Local Disk] > System managed size > Set**.

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

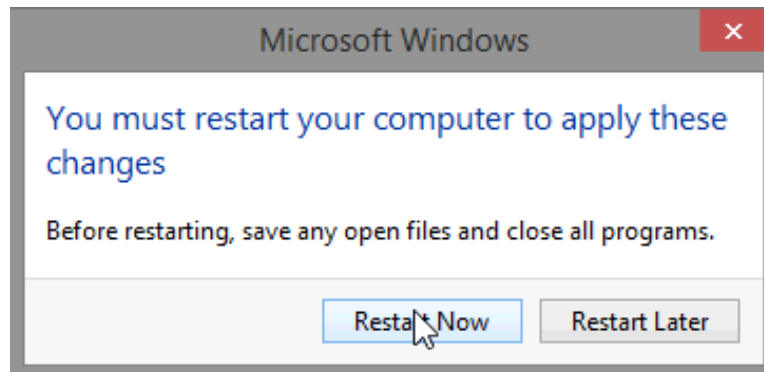c.  Check **Automatically manage paging file size for all drives**, and then click **OK**.

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?