

Here's how to increase virtual memory capacity on Windows

Virtual Memory (Virtual Memory) is an indispensable component of the Windows operating system. When the amount of RAM on your computer is not enough to run the program, the operating system will switch to using virtual memory.

With Windows computers, memory is divided into two different types: hard drive and RAM. When virtual physical RAM is used up, Windows uses more virtual RAM or Virtual Memory, turning the hard drive into RAM to complement the computer's lack of RAM. Virtual RAM will combine with physical RAM and hard disk to handle applications and software on the system. However, if users install a lot of software, playing games regularly on the computer will also cause virtual RAM memory to run out and a message saying *"Your system is low on virtual memory. Windows is increasing the size of your virtual b? nh? paging t?p tin. During this process, b? nh? y?u c?u m?t m?t ?ng d?ng n?y ???c th?c hi?n. For more information, xem help. "*

Many people will think about buying new RAM, but not everyone has the conditions to upgrade. One simpler way is to increase the virtual memory capacity of Virtual Memory without spending a dime. In this article, Network Administrator will guide you to read virtual RAM step by step, increase virtual memory capacity so that you can play games smoother, surf the web faster.

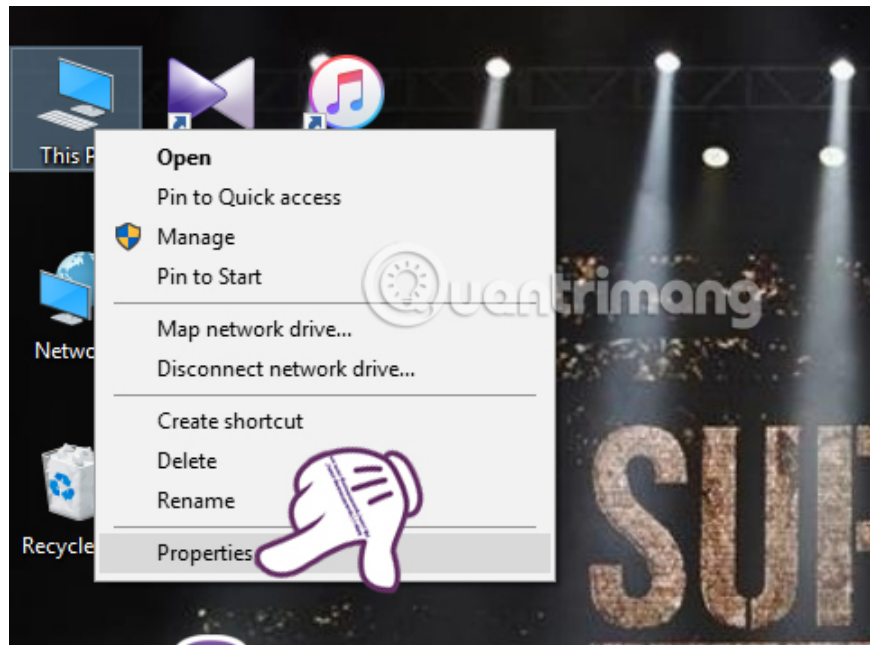
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For computers that lack serious RAM, RAM of 2GB or less or regularly play games, consume RAM, you can do it this way.

Note , in this article we will do with Windows 10, the remaining Win will do the same steps.

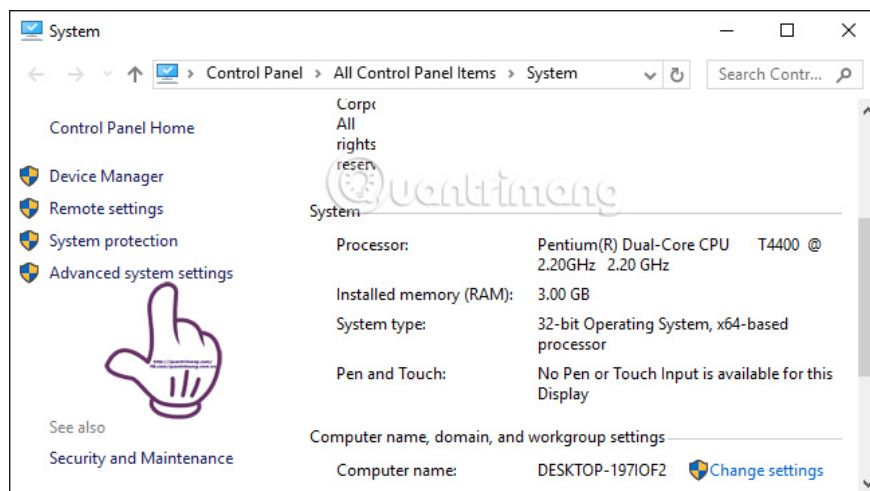
Step 1:

On the Desktop, right-click **This PC** and select **Properties** . **My Computer** with operating systems from Windows 7 and below is **My Computer** .



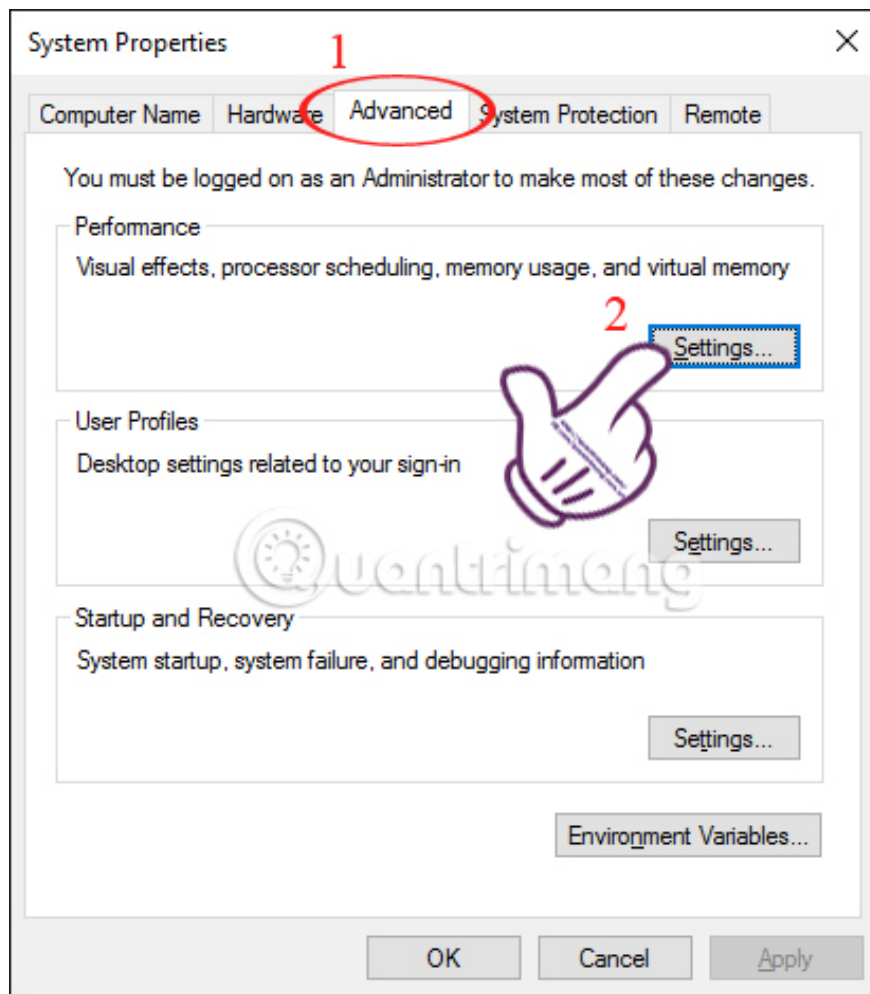
Step 2:

In the System interface, we select **Advanced system settings** .



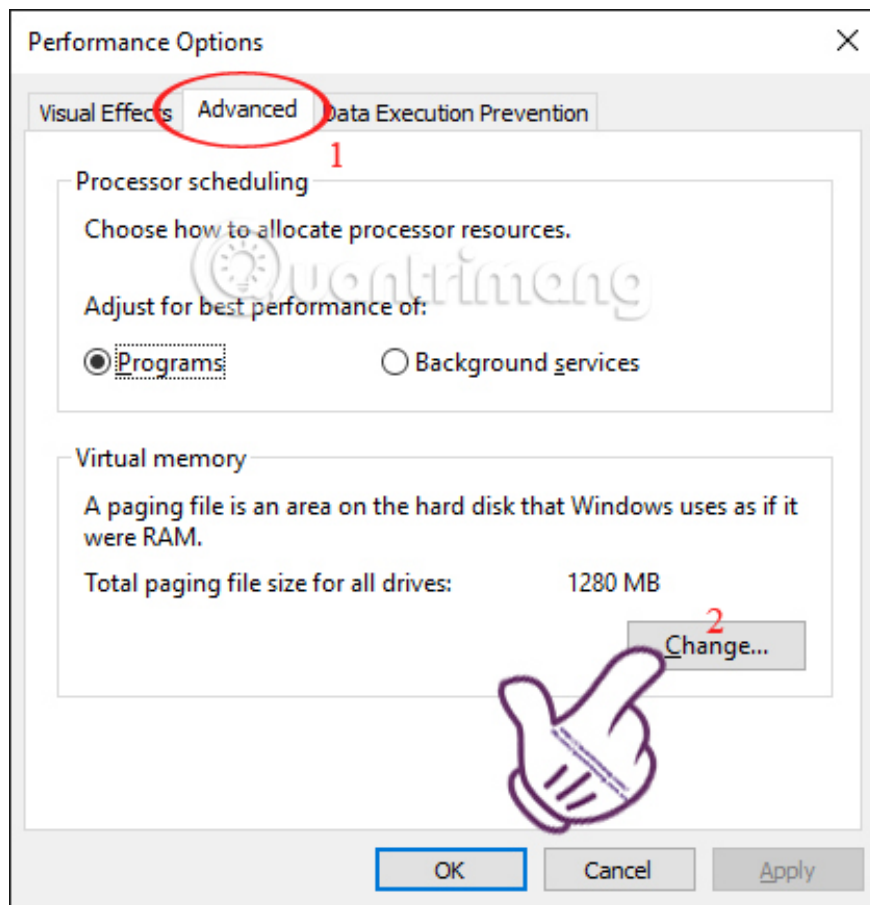
Step 3:

The **System Properties** interface **appears** . Here, you click the **Advanced** tab and then select the **Settings** button.



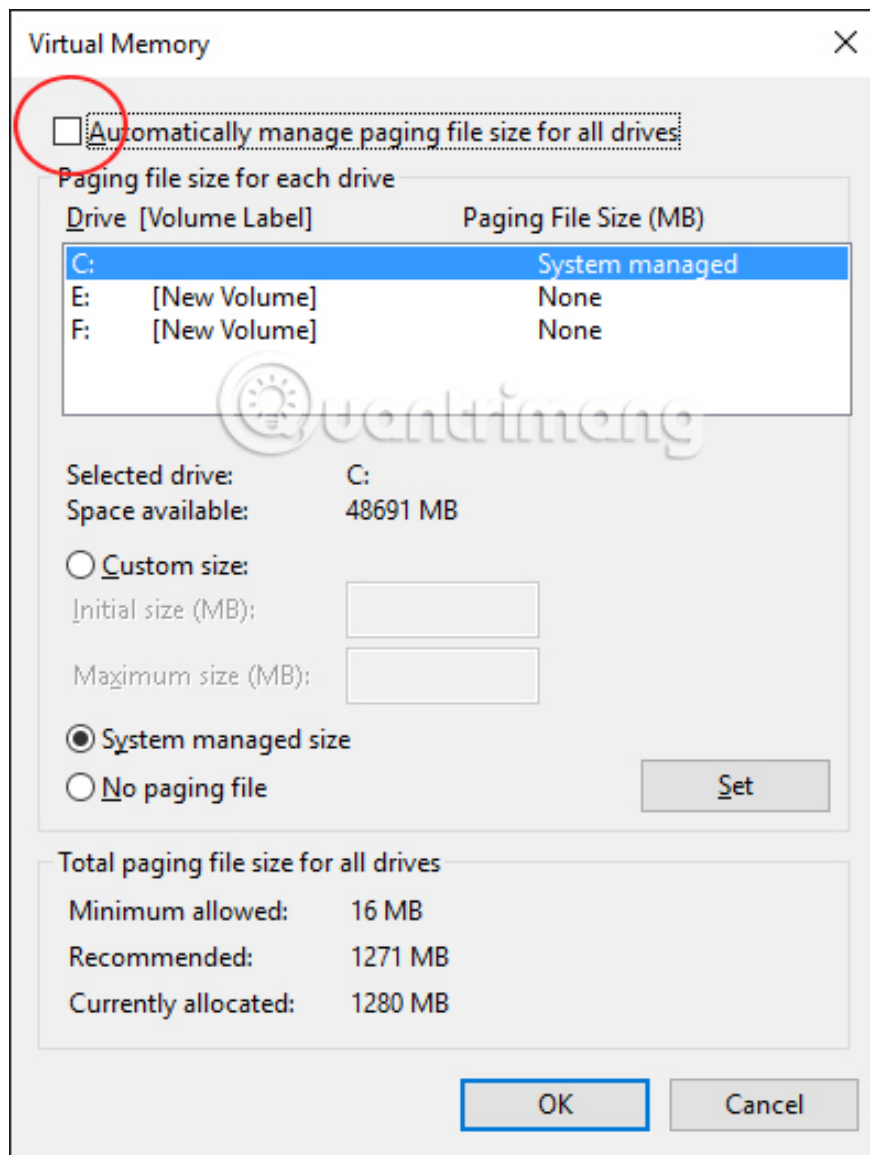
Step 4:

In the **Performance Options** window, we select the **Advanced** tab, then select **Change .** in the **Virtual memory** section .



Step 5:

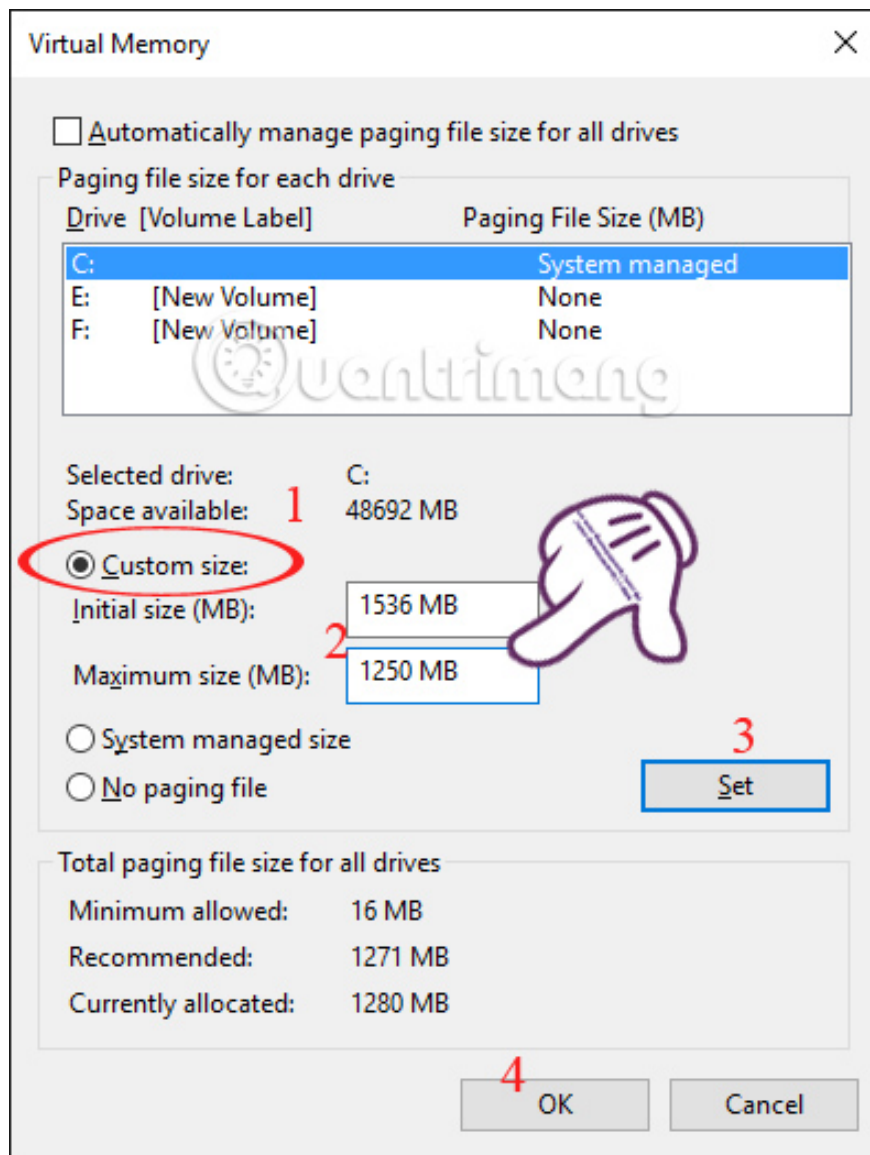
At the **Virtual Memory** window, **uncheck Automatically manage paging file size for all drive** . Next, switch to the Custom size section.



We will **select the Custom size box** and then **enter the amount of virtual RAM we want to add** to the machine. We will enter **the minimum capacity in Initial size box to 1.5 times the amount of RAM of the computer**, and **the maximum capacity is 3 times the capacity of Ram in the Maximum size box** .

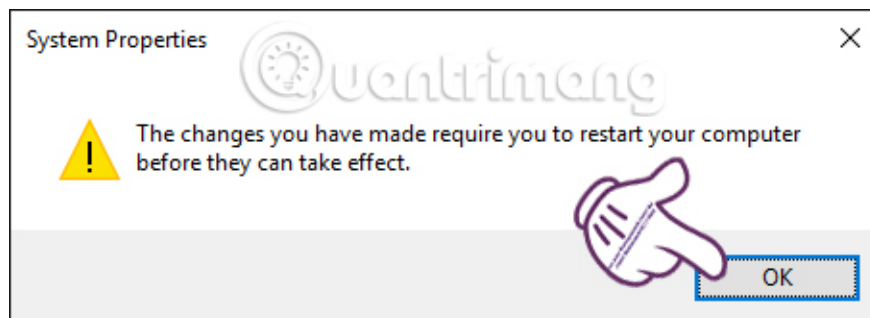
To make it easier for you to visualize and enter the virtual RAM capacity, the Initial size line (MB) selects the suggested number of Minimum allowed below. The Maximum size (MB) to follow the number of Recommended.

After you have entered, click **Set** and **OK** to save the settings.



Step 6:

Soon the **System Properties** window **notifies you** that you can increase the amount of virtual memory, you will have to reboot the system. Click **OK**.



Now restart the computer for the changes to take effect.

Note , before restarting the computer you need to turn off running programs to avoid losing important data.

Thus, the virtual RAM setup process, increasing the virtual memory capacity has been completed. With this method, you will not worry about whether the machine has reduced its lifespan, does not affect the performance or failure of the hard drive. Besides, we can play games smoother, the speed of surfing the web also increased significantly.

Refer to some of the following articles:

1. Unlock and improve Windows 10 features with 5 Registry tricks
1. Fix BOOTMGR error is missing when starting Windows
1. Remove "rooted" programs that have not been removed completely on Windows 7, XP

I wish you all success!

You finished reading the article "**Here's how to increase virtual memory capacity on Windows**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.