

How to fix a computer not getting enough RAM

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Ram is an important and indispensable resource to help the computer operate stably. However, many people have responded that Windows 10 does not use up RAM leading to a decrease in performance. If that is the case, try the following ways to fix the problem.

Check RAM

If you have 2 or more RAM sticks, and realize that Windows is not getting enough installed space, it is most likely because you have not inserted the RAM properly. There are many causes of this phenomenon and the only fix is ??to try removing and reinserting RAM.



First, you need to turn off your computer, unplug the power source, then remove the RAM. Normally, when you install the correct RAM you will hear a 'click'.

There is another case to consider is the possibility that your RAM has been damaged, which indicates that you often encounter Blue Screen during PC use. To be sure if the memory stick is damaged, remove all the RAM and reinsert each one to see which one is not working properly.

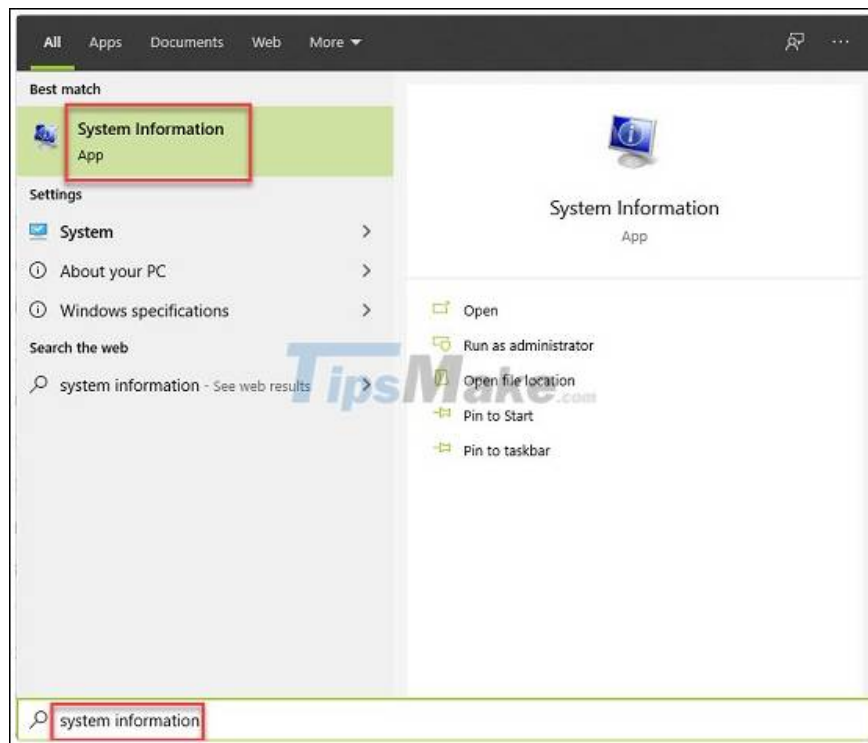
You are using a 32-bit version of Windows

If Windows 10 is not using up RAM, it may be because you are running 32-bit version. As you may not have known, 32-bit Windows only supports up to 4GB of RAM, and doesn't even use up that number. It doesn't matter if you only have 4GB of RAM, but if you have more it is a waste.

To check whether your computer is on a 32-bit or 64-bit version, do the following:

Press **Windows** key + **S** to open the search dialog.

Enter **System Information** and open the application.



Note the **System Type** section , if it shows x86-based PC, your computer is on 32-bit version. The opposite for x64-based PC means 64-bit.

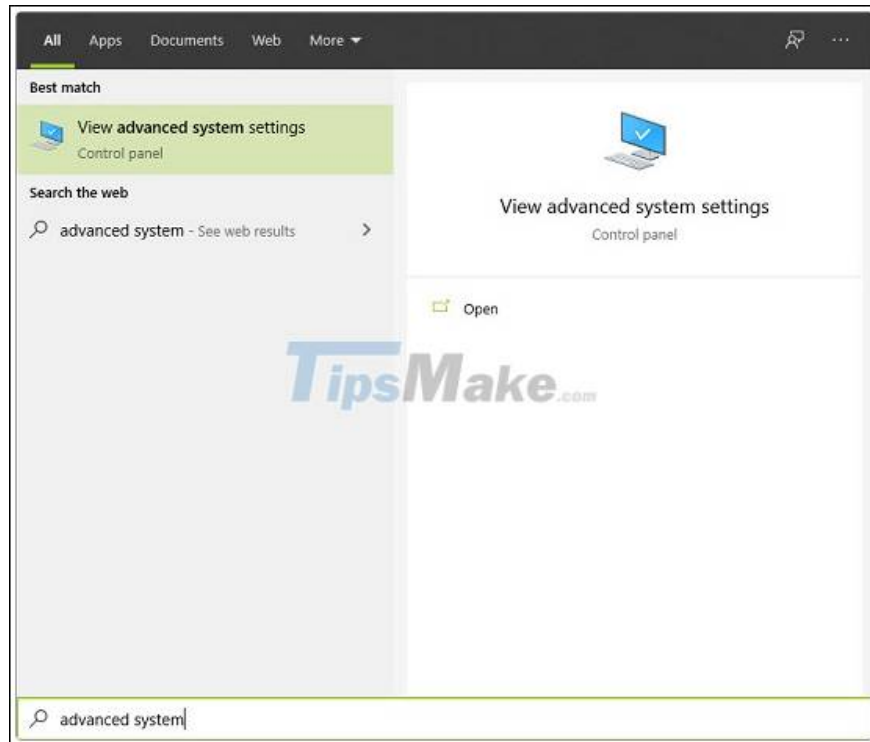
Item	Value
OS Name	Microsoft Windows 10 Pro
Version	10.0.18363 Build 18363
Other OS Description	Not Available
OS Manufacturer	Microsoft Corporation
System Name	
System Manufacturer	Gigabyte Technology Co., Ltd.
System Model	H81M-DS2
System Type	x64-based PC
System SKU	To be filled by O.E.M.
Processor	
BIOS Version/Date	American Megatrends Inc. F2, 8/6/2015
SMBIOS Version	2.7

If your system is 32-bit, you have no choice but to upgrade Windows to 64-bit version (provided the CPU supports 64-bit).

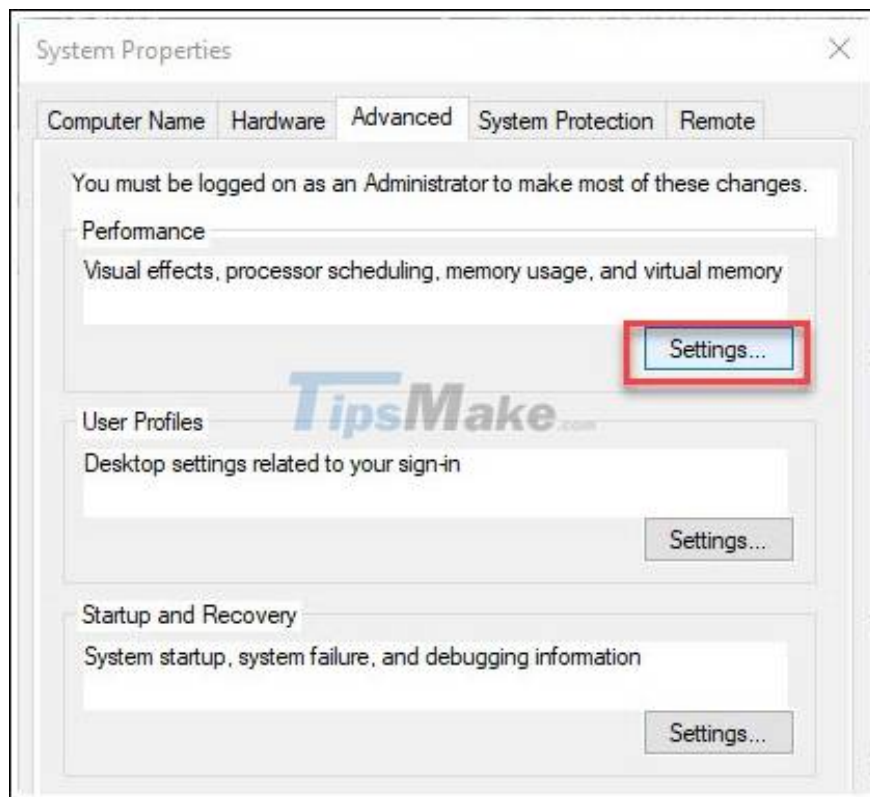
Turn off Automatic RAM virtualization

Many people have been able to fix Windows not running out of RAM issue by disabling Automatic RAM Virtualization.

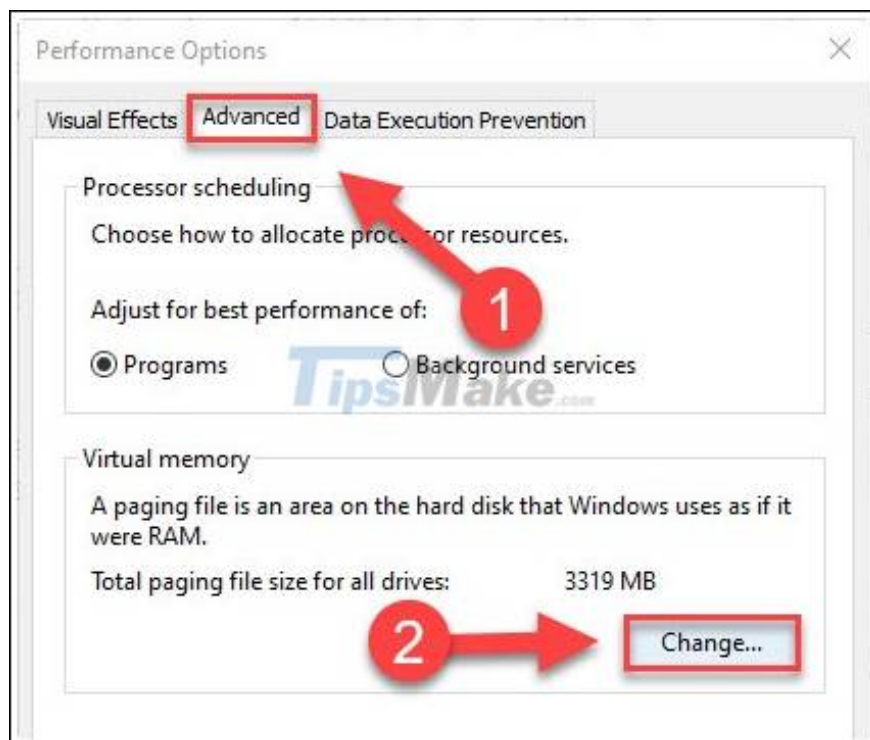
1. Press **Windows** key + **S** and type **advanced** , then open **View advanced system settings** is displayed.



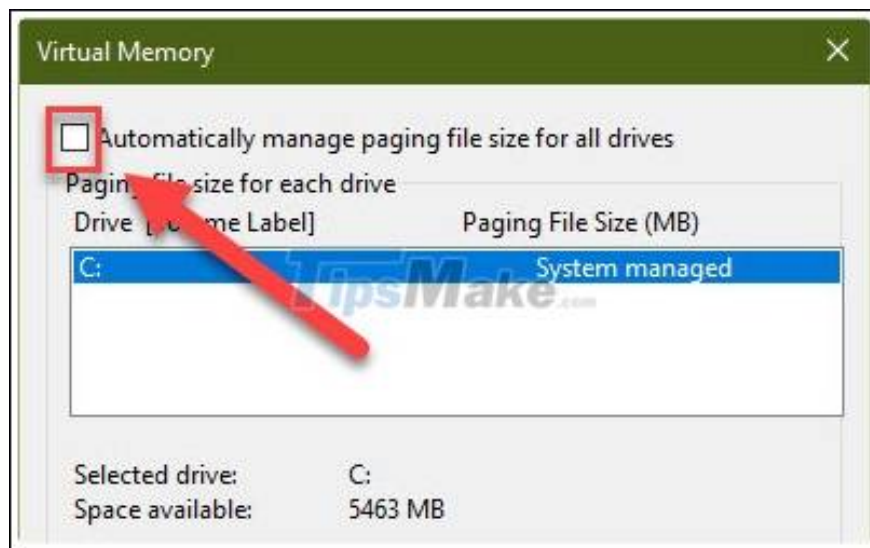
2. When the window opens, click **Settings** under **Performance** .



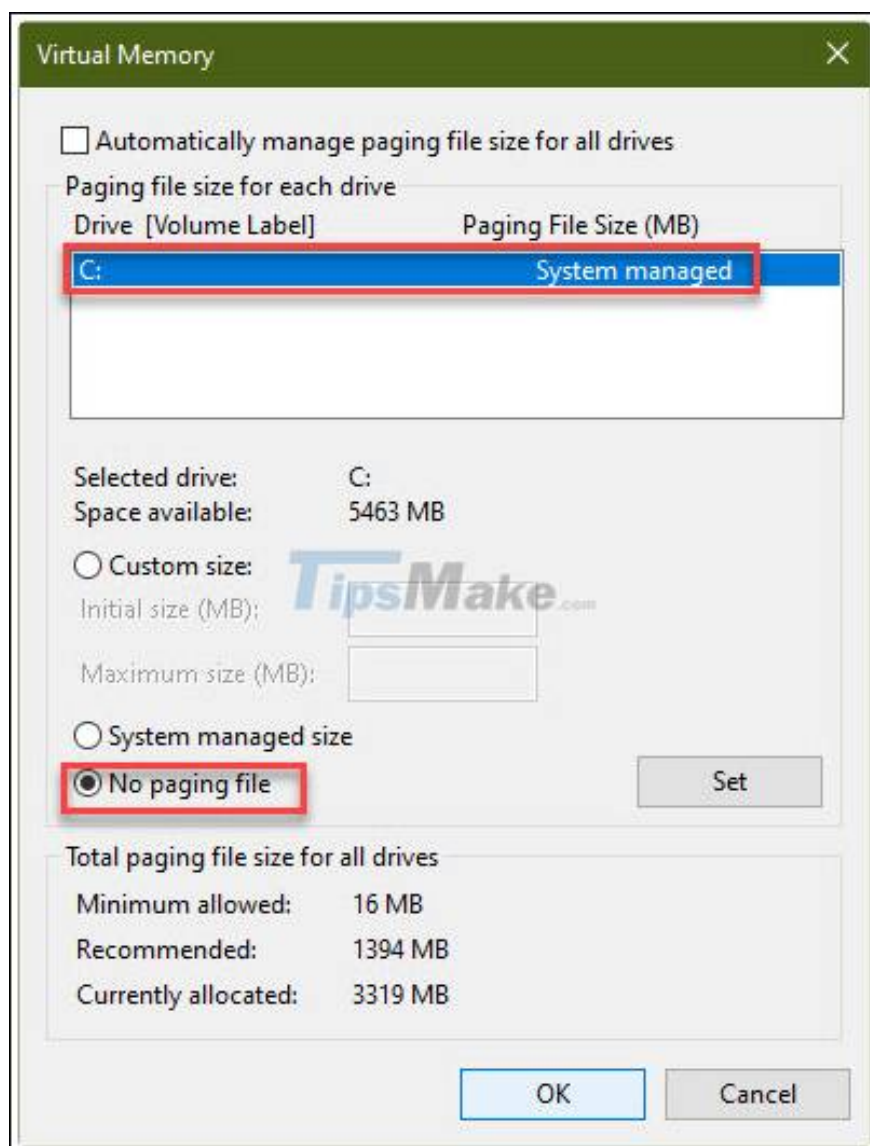
3. Go to the **Advanced** tab and click **Change** .



4. Uncheck the box **Automatically manage paging file size for all drives** .



5. One by one select the drives from the list and check **No paging file**.

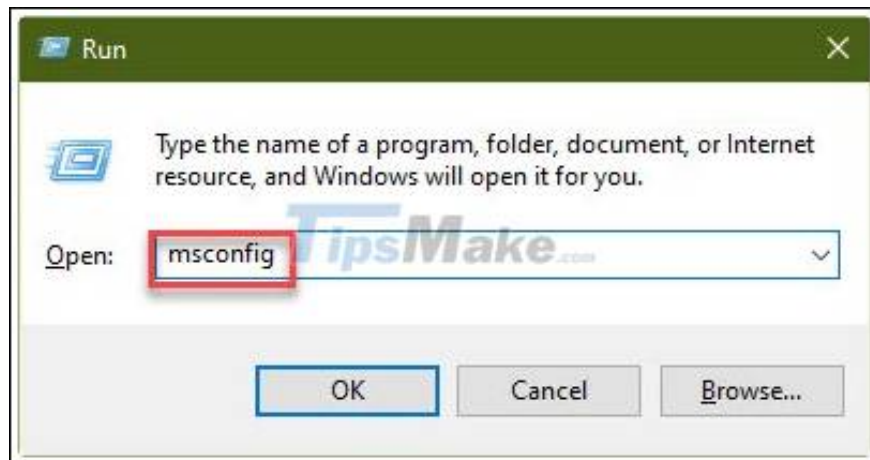


6. Finally, **OK** and restart your PC.

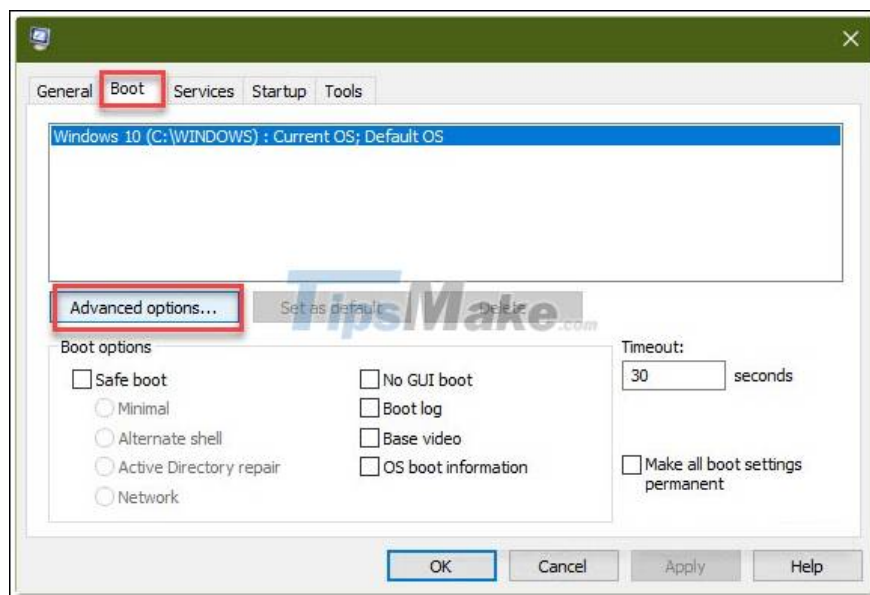
If that doesn't help, you can re-enable Automatically manage paging file size for all drives.

Use msconfig

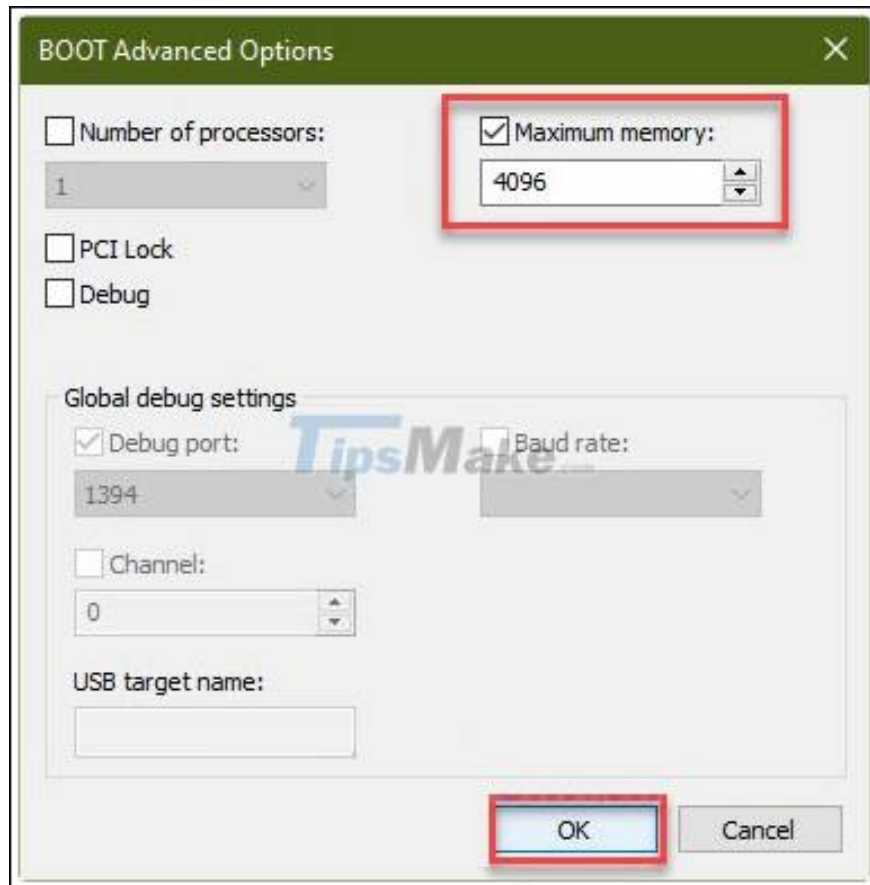
1. Press **Windows** key + **R** to open the Run dialog box, type **msconfig** , and then **Enter** .



2. The **System Configuration** window appears. Switch to the **Boot** tab and click **Advanced options** .



3. Check the box **Maximum memory** and enter the amount you have in MB. 1GB is 1024 and so multiplied, use your computer to make sure you enter the correct amount of RAM you have. Then click **OK** .

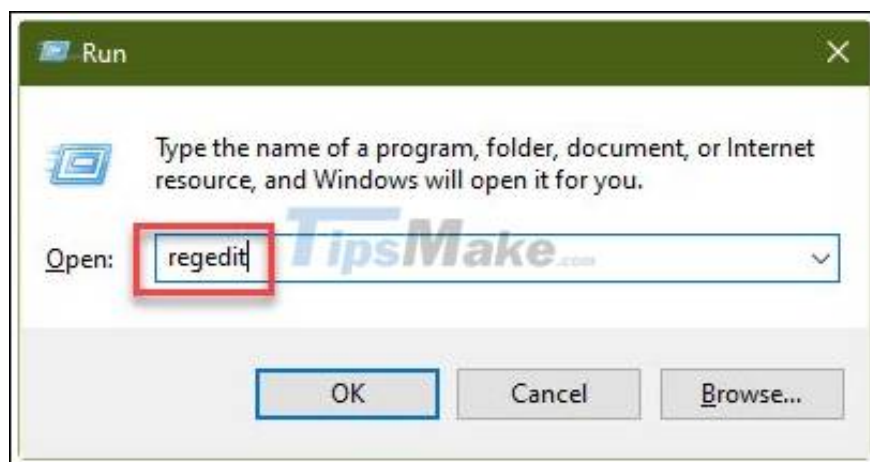


4. Click **Apply** to save your changes and exit.

Edit Registry

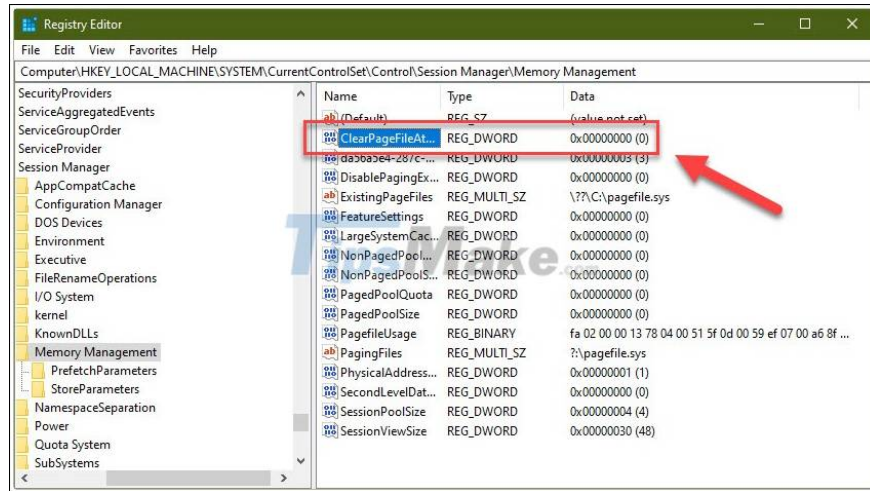
One more method to fix the problem the computer is not getting enough RAM. You should be careful when performing the steps below, as a mistake in the Registry can cause Windows 10 to crash.

1. Press **Windows** key + **R** and type **regedit** , then **Enter** .

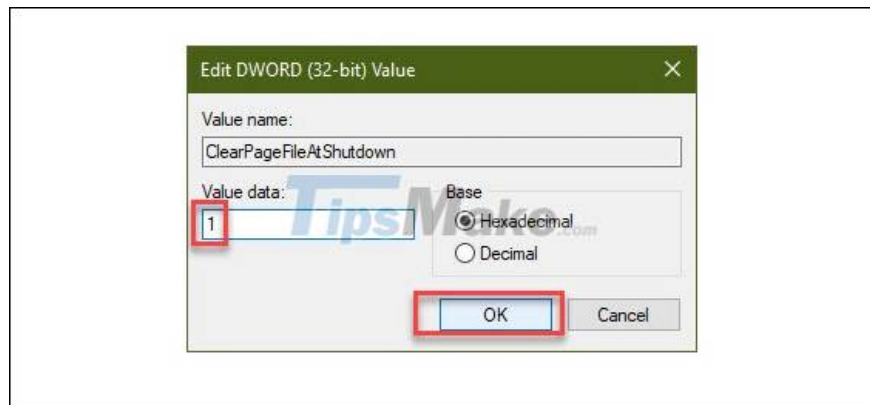


2. When the Regedit window opens, navigate to:

3. In the right pane, click to open **ClearPageFileAtShutdown** .



4. Set the value to 1 or 2 and **OK** .



Once done, restart your computer and see if the problem has been resolved.

Above are some ways that TipsMake synthesizes to help you fix the error of the computer not getting enough RAM.

Hope you are succesful.

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