

How to handle a computer error message Your computer is low on memory on Windows

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You are using the computer, the screen suddenly appears **Your computer is low on memory** error message, along with the applications that you are opening will be closed. Even if you reboot the machine, it still can't be fixed, because this is a memory error. To thoroughly overcome this situation, it is best to upgrade more RAM. But first, try applying the following methods of TipsMake.com already.

Windows 8, Windows 8.1 and Windows 10 are great platforms that provide some of the features available to improve the user experience and troubleshoot easily. A common error on Windows 8, Windows 8.1, and Windows 10 systems (which cannot be fixed using classic troubleshooting processes) is a low virtual memory-related error. Unfortunately, you cannot fix this problem automatically.



This message refers to low virtual memory, resulting in latency issues and problems on Windows devices. There are many reasons for the 'Your Computer is low on memory' error, the article will guide you to fix this problem in the following cases:

1. Computer notices low memory but in fact it is not. Many users report that when this warning appears, the computer memory actually still works correctly. It seems that the computer misinterpreted different memory indicators.

2. The computer has low memory due to Claymore software. This virtual money digging software seems to use too much memory, making a low memory message appear.

See also: What to do when the computer is infected with the virus to save virtual money?

1. Sometimes, low memory errors also cause black screen problems, forcing users to restart their computers.
2. CutePDF displays the error message 'Your computer is low on memory'. CutePDF is a PDF converter that often displays low memory warnings. These messages usually appear when users want to print converted PDF files.

See also: The best online file conversion tools for all your formatting needs

1. The message "Your computer is low on memory" appears when saving the Excel file.
2. This error appears in the game Dying Light, Call of Duty, WoW and many other games. If you are a gamer, you may have encountered this error message a few times. The game uses a lot of memory and for this reason, they often trigger low memory errors.

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1. 1. Scan the entire system
2. 2. Close the programs that are using too much memory
3. 3. Use the Windows troubleshooter
4. 4. Increase virtual memory manually
5. 5. Repair the registry
6. 6. Update the operating system
7. 7. Check the hard drive error
8. 8. Delete temporary files and folders
9. 9. Delete recently installed software

1. Scan the entire system

Some malicious files may cause the error message 'Your Computer is low on memory'. These programs will prompt you to download a lot of software to fix low memory problems. And this may be a fake message to trick you into installing unwanted software, so you should not download and install anything on your computer.

In this case, you should use powerful anti-virus / anti-malware software to perform computer scans, remove these viruses and malware. You can run Windows' integrated antivirus software, Windows Defender or a third-party antivirus solution. If you don't know how to use Windows Defender, you can refer to the article [How to Kill Viruses with Windows Defender Offline on Windows 10 Creators](#).

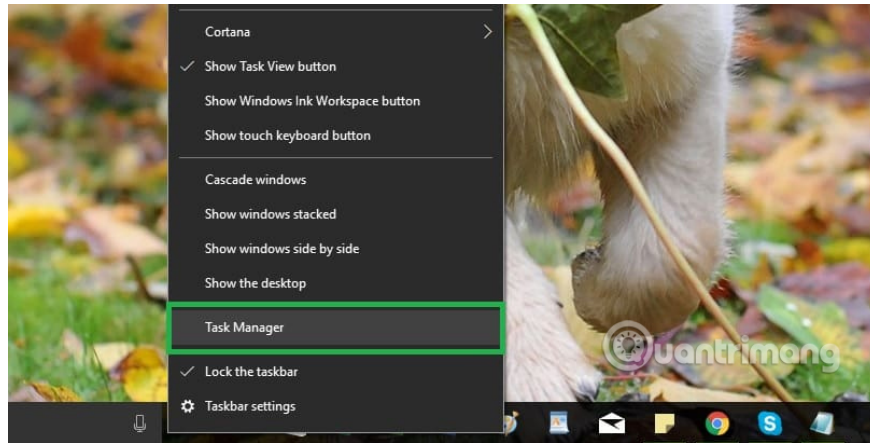
If the virus or malware is the cause of a low memory problem, then after using the security tool, the error message will disappear.

2. Close the programs that are using too much memory

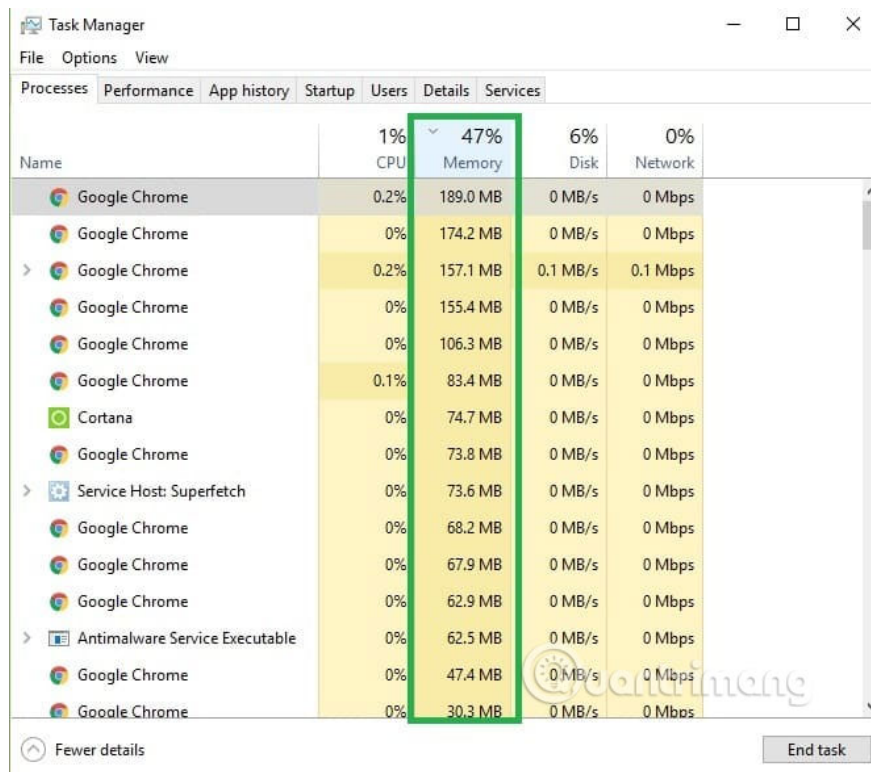
Normally, "Your Computer is low on memory" error occurs when there are many processes or software running on your system that use too much memory. In this case, the RAM does not support all these processes and you will be prompted to make some changes to disable some programs.

Yes, that's exactly what you need to do, remove unnecessary programs. Note, if you disable system processes, it may lead to operating system crashes. Follow the steps below:

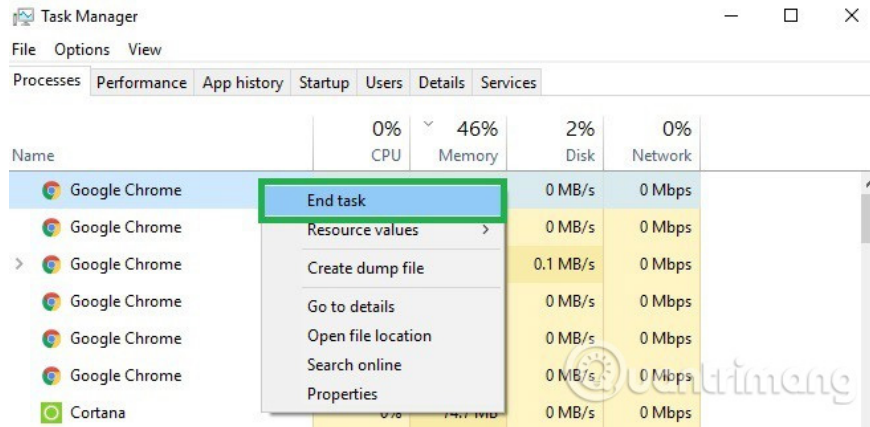
Step 1 : Launch Task Manager on the device by right-clicking on the taskbar and selecting the Task Manager option.



Step 2 . Then, from the Task Manager main window, select the **Processes** tab and click **Memory (Private Working set)** to sort your processes according to memory usage.



Step 3 . From there, just remove or end the process using too much memory. This will solve your problem.



3. Use the Windows troubleshooter

In some cases, if a program is closed unexpectedly, you may receive the error message 'Your Computer is low on memory'. This error occurs because Windows is allocating too much virtual memory for the process in question, while the system is trying to fix all the problems.

Anyway, don't worry because you can solve these problems by running System Maintenance, see the steps below on Windows 8.

Step 1 : From the Start screen, press the **Wind + F** key.

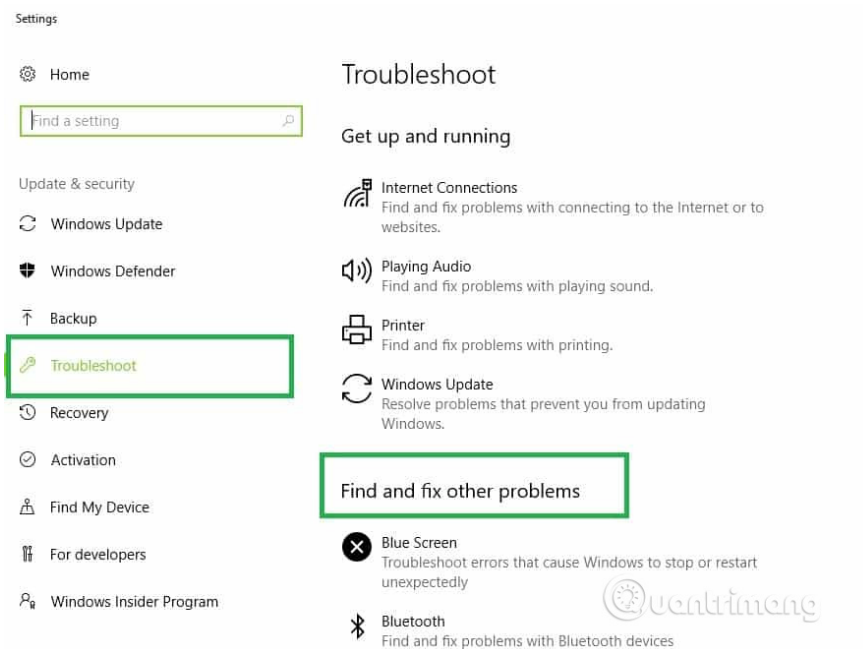
Step 2 : In the search box, type **Troubleshooting** .

Step 3 : From the Troubleshooting window, select **View All** (located on the left panel) and select **System Maintenance** .

Step 4 : Touch **Next** and wait while your Windows 8 system runs the troubleshooting process.

If you want to avoid closing programs, you can use Windows 10's built-in troubleshooting tool.

1. Go to **Settings > Troubleshoot** > scroll down and select **Find and fix other problems**.



2. If one of the applications installed on your computer uses a lot of memory, you should run the Windows Store Apps troubleshooting tool.

4. Increase virtual memory manually

By increasing virtual memory, you can solve low memory problems or warnings. Of course, you will have to do it manually because there are no applications dedicated to this issue. This process is very easy, refer to the article [This is how to increase virtual memory capacity on Windows](#) and follow the instructions.

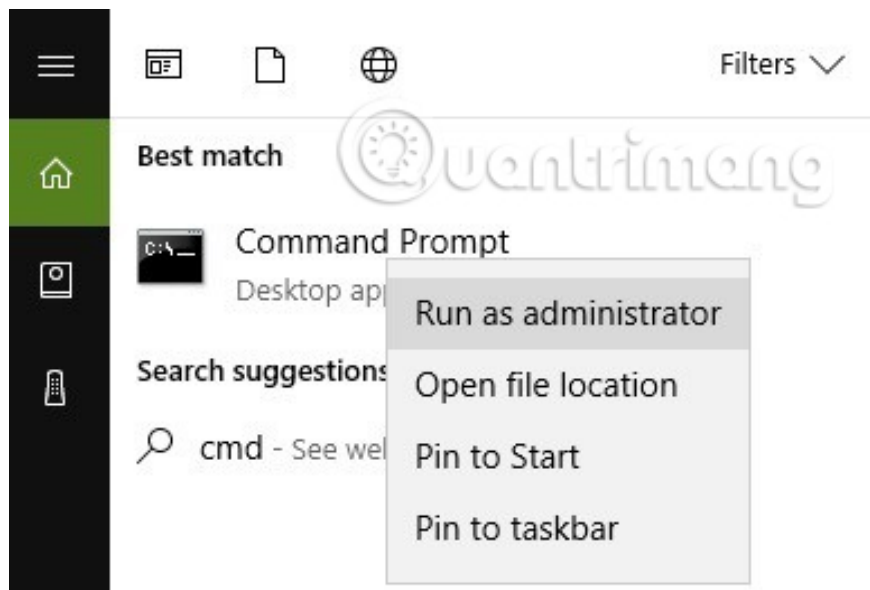
5. Repair the registry

The easiest way to fix the registry is to use a dedicated tool, such as CCleaner. Don't forget to back up the registry in case something goes wrong.

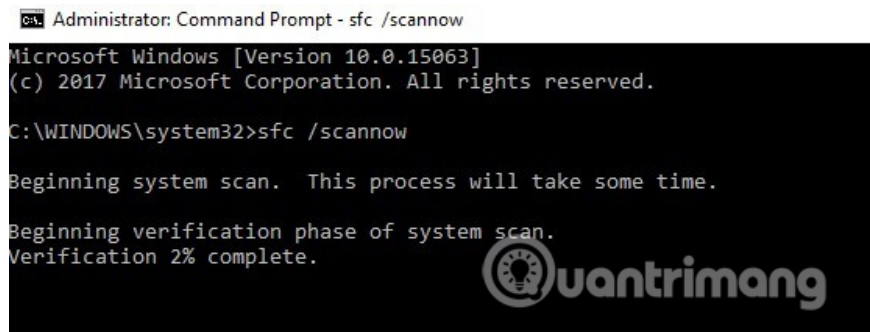
You can also use Microsoft System File Checker to check for corrupted system files. This utility checks all protected system files and fix problematic files if possible. Here's how to use System File Checker.

Step 1 . Go to Start > type cmd > right click on Command Prompt > select Run as Administrator .

See also: [Instructions to open Command Prompt under Admin on Windows](#)



Now type the command **sfc / scannow** .

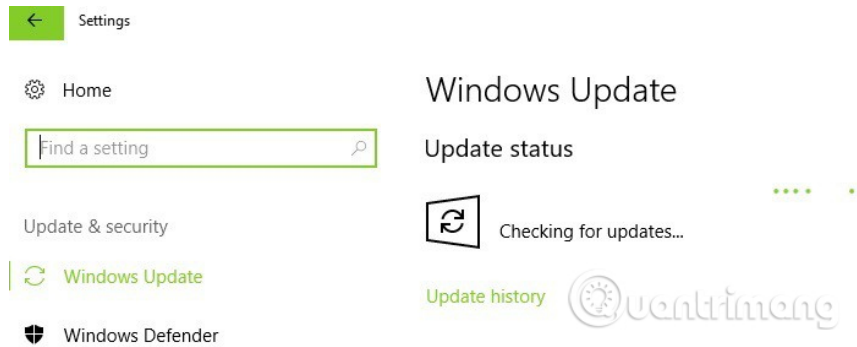


Step 2 . Wait for the scan to finish and then restart the computer. All corrupted files will be replaced when rebooted.

6. Update the operating system

Make sure you are running the latest Windows OS update on your device. Microsoft is constantly launching Windows updates to improve system stability and fix various issues.

To access the Windows Update section, you can simply type "**update**" into the search box. This method works on all Windows versions. Then, go to Windows Update, check for updates and install available updates.



See also: 10 notes when upgrading the operating system

7. Check the hard drive error

On Windows 8.1, you can open the drive you want to check in File Explorer. Then, right click on the drive you want to scan and select **Properties** . Go to the **Tools** tab, select **Check** and then select **Scan Drive** .

On Windows 10, you can run disk tests with Command Prompt. Open Command Prompt as an administrator and type **chkdsk C: /f** and press **Enter** . Replace C with your hard drive partitioning character.

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>chkdsk D: /f
The type of the file system is NTFS.

Stage 1: Examining basic file system structure ...
 1536 file records processed.
File verification completed.
  0 large file records processed.
  0 bad file records processed.

Stage 2: Examining file name linkage ...
 2028 index entries processed.
Index verification completed.
  0 unindexed files scanned.
  0 unindexed files recovered to lost and found.

Stage 3: Examining security descriptors ...
Security descriptor verification completed.
 247 data files processed.
CHKDSK is verifying Usn Journal...
 2442256 USN bytes processed.
Usn Journal verification completed.
```



If no **/f** parameter is used, **chkdsk** will display a message that the file needs to be fixed, but it does not fix any errors. The **chkdsk D: /f** command detects and corrects logic problems affecting your drive. To fix physical problems, run the **/r** parameter.

```
Administrator: Command Prompt - chkdsk D: /r
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>chkdsk D: /r
The type of the file system is NTFS.

Stage 1: Examining basic file system structure ...
1536 file records processed.
File verification completed.
0 large file records processed.
0 bad file records processed.

Stage 2: Examining file name linkage ...
Progress: 1588 of 2028 done; Stage: 78%; Total: 0%; ETA: 231:36:20
```

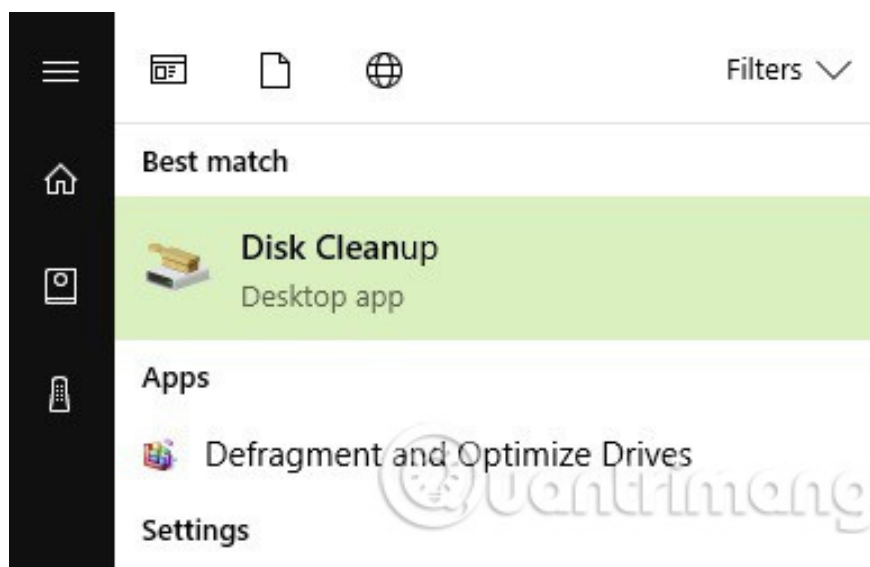


See also: Check and fix hard drive errors with CMD on Windows

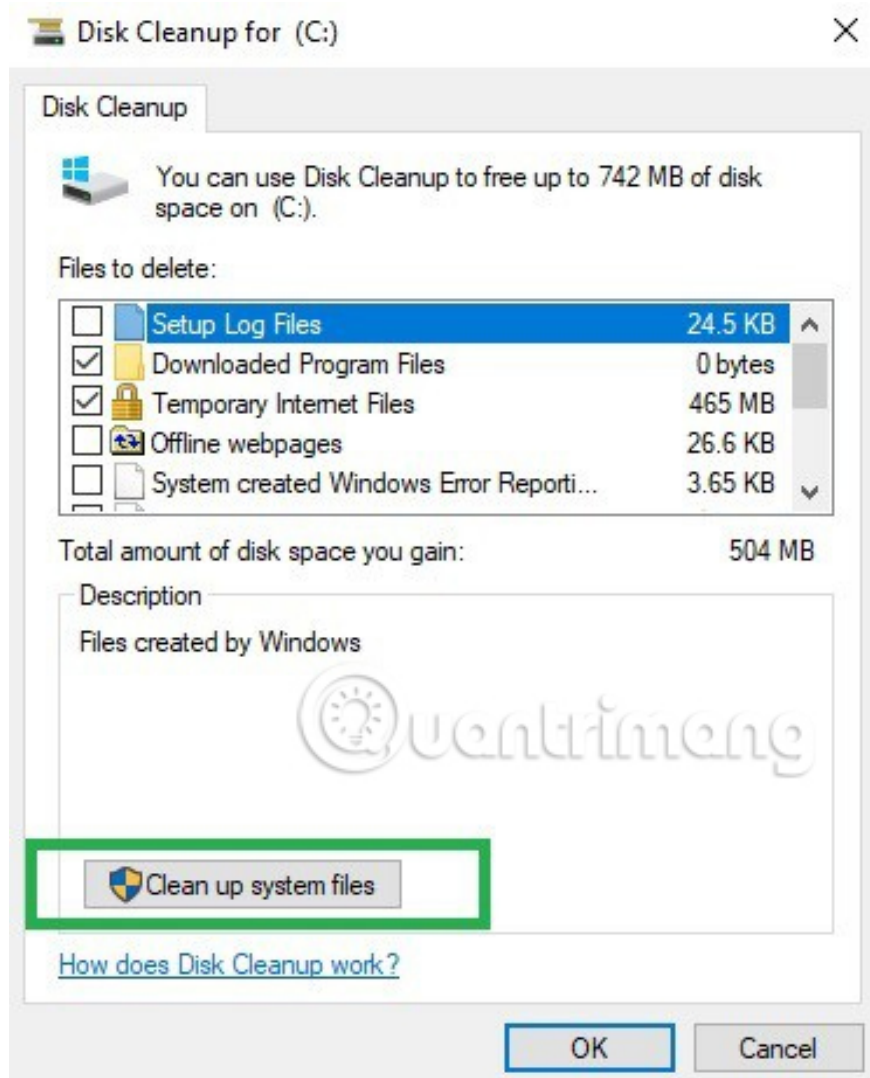
8. Delete temporary files and folders

The simplest and fastest way to delete temporary files and folders is to use **Disk Cleanup**. When you use your computer or browse the Internet, your computer will accumulate many unnecessary files. These files are called junk files, which can affect the speed of computer processes and lead to low memory error messages. Here's how to use Disk Cleanup on Windows 10:

Step 1 . Go to Start > type Disk Cleanup > launch the tool.



Step 2 . Select the drive you want to delete, the tool will tell you how much space can be freed.



Step 3 . Select **Clean up system files** .

See also: Freeing up hard drive space automatically on Windows 10 with Disk Cleanup

9. Delete recently installed software

If you have recently installed new software on your computer, try uninstalling the software by going to **Start** > typing **Control Panel** > selecting the program recently added> click **Uninstall** .



Then restart your computer and see if the problem has been resolved.

These are the best methods that apply to windows 8.1 and 10. If you can't fix these problems after using the above solutions, you should consider upgrading your RAM. Refer to the article [How to upgrade RAM on computers and Laptops](#).

See more:

1. [Fix A disk read error occurred on Windows](#)
2. [Fixed a bug when Libraries folder opened automatically when booting the computer](#)
3. [The simple way to fix computer errors is suddenly turned off](#)

I wish you all success!

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