

How to delete the TSR automatically starts when the computer is turned on

This tutorial includes steps to temporarily remove TSR (terminate-and-stay-resident) programs from memory and how to prevent them from automatically loading every time the computer starts.

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According to the Soha dictionary: TSR is a permanent program, always stored in internal memory, even if it is not running. Thus it can be started quickly to perform a certain task while other programs are still running. These programs are often used in non-multitasking operating systems like MS DOS. Permanent or temporary deletion of TSRs will help to free up computer RAM, improve system performance.

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How to temporarily delete TSR from memory

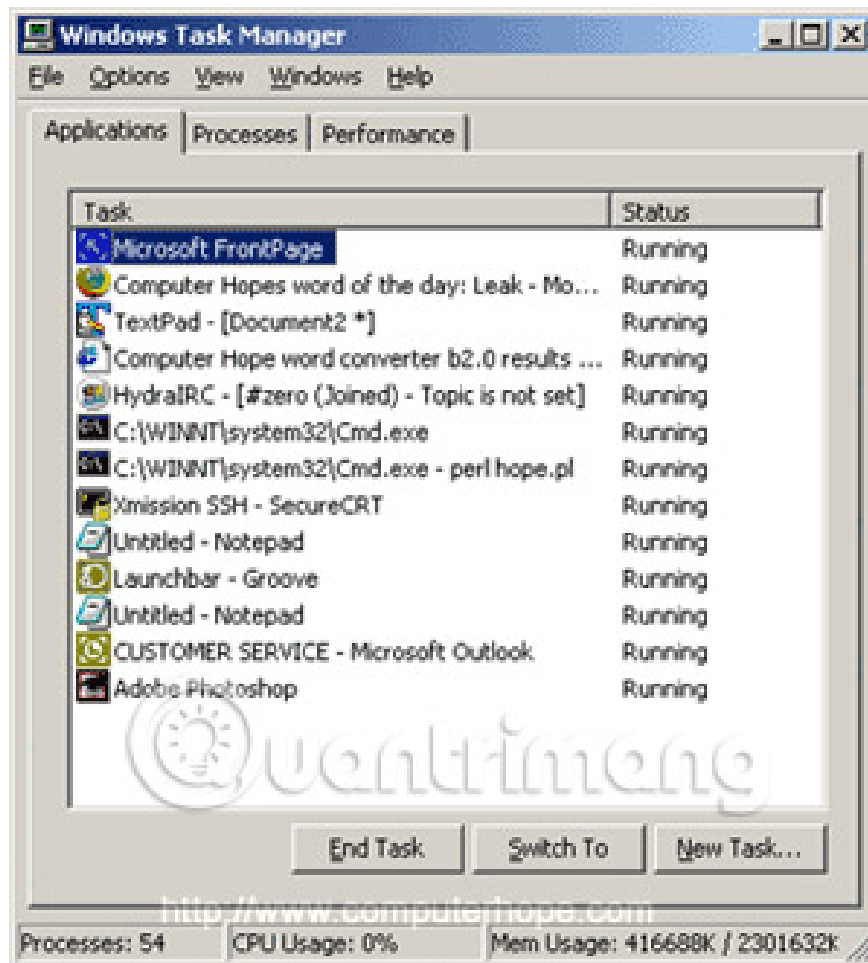
Below are steps to temporarily remove TSR and programs currently running from memory. Remember that after restarting the computer, many of these programs will reload. If you want to have these programs permanently not reload, go to the next section.

Delete TSR in Windows 8 and 10

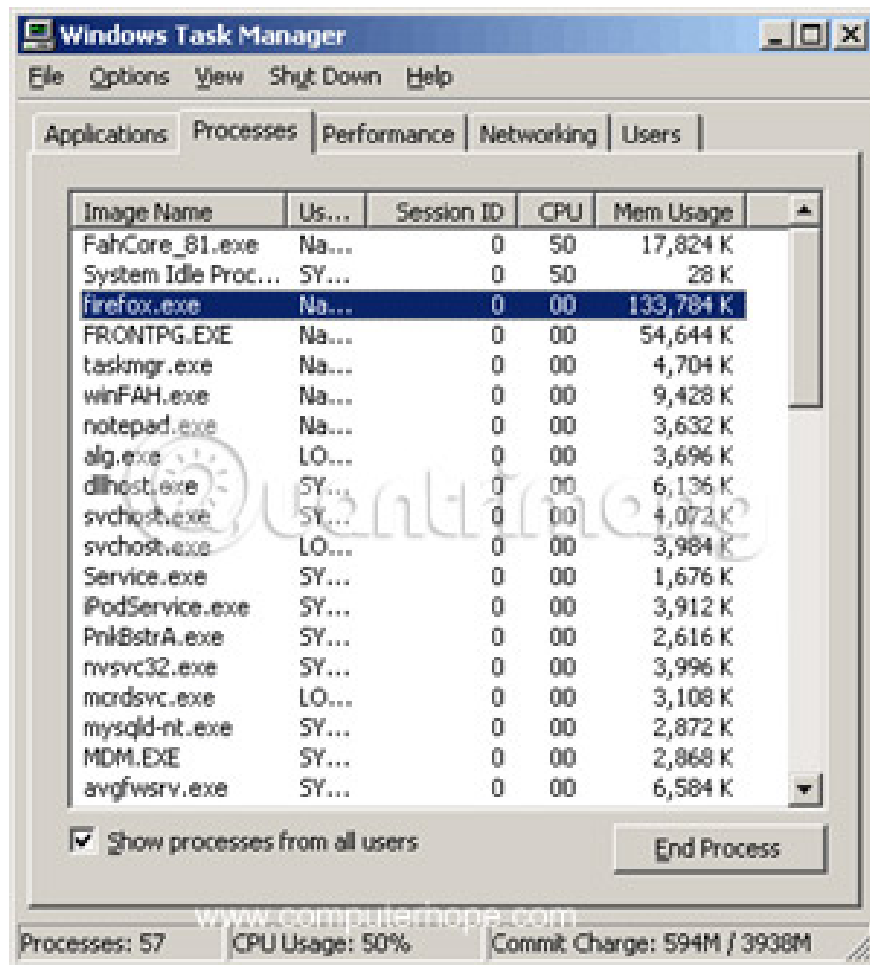
Right-click the taskbar, select **Task Manager**. Or press and hold **Ctrl + Shift + Esc** to directly open **Task Manager**. On the **Processes** tab , select the program you want to end, right-click it and select **End Task**.

Delete TSR from Windows 2000 to Windows 7

Press and hold **Ctrl + Alt + Del** , then click **Task Manager** option . If you are running Windows XP, this key combination will immediately open Windows' **Task Manager** window. In Task Manager, click the **Applications** tab , select the program you want to end and click the **End Task** button .



As you can see in the image above, the Applications window displays only the currently open programs for users. Other TSRs and Windows Processes are displayed in the **Processes** tab . Click on the **Processes** tab , users will see each process running and the system resources they use are displayed, as shown below.

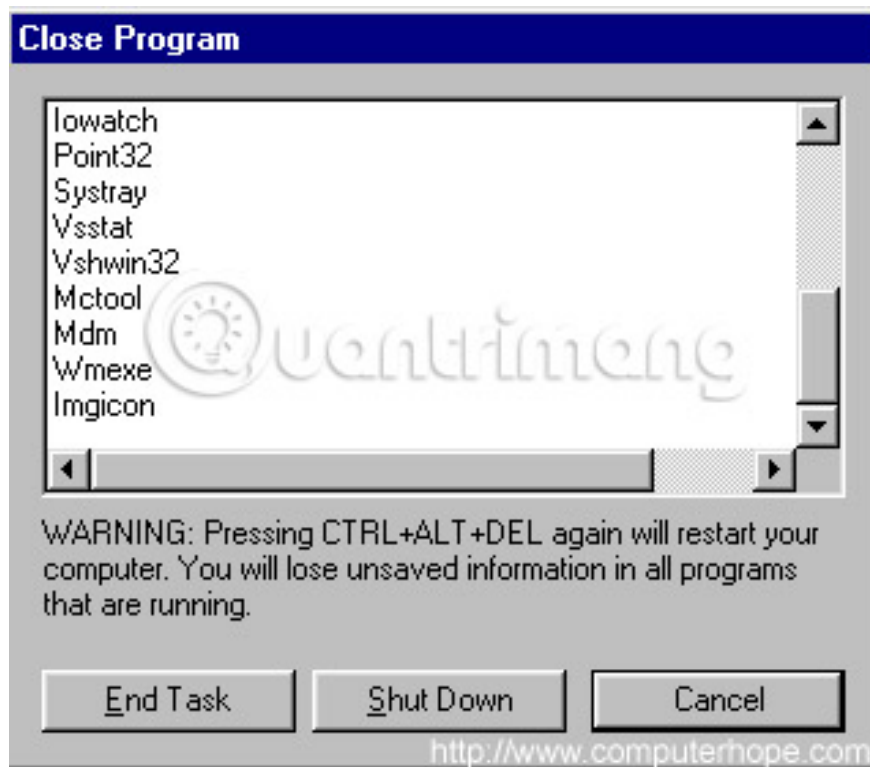


Note should only end the programs you know. If you are unsure what the program is, search for the file name for more information about the process.

Note : Do not **End** any system processes.

Delete TSR in Windows 95, 98 and ME

Press and hold **Ctrl + Alt + Del** . Then the **Close Program** window will appear.



Check any listed items except **Explorer** and **Systray**, then click the **End Task** button . Repeat this process until there are only two running processes: Explorer and Systray.

Some other information:

1. There is no way to mark more than one of these icons.
2. Some of the listed programs may not be removed the first time, please continue until successful.
3. At the end of some of these programs, this **This Program is Not responding message** may appear. Click **End Task** again.
4. Pressing **Ctrl + Alt + Del** twice in a row will restart the computer.
5. Each deleted item will be returned the next time, when the user restarts the computer (unless they are deleted).

Delete TSR in Windows 3.x

To delete all programs currently running in the background, minimize all open windows including Program Manager. When each window has been minimized, all currently running applications will be displayed as a small icon. Open and close each icon except Program Manager.

Permanently disable TSR so that it does not automatically reload

Many TSRs will automatically reload when the computer starts up, if uncomfortable because of that, here are steps to prevent them from automatically reloading.

Permanently disable TSR in Microsoft Windows 8 and 10

1. Open Task Manager.
2. Click the **Startup** tab .
3. Select the program you want to stop automatically loading and click the **Disable** button .

If it is not possible to determine whether the program is automatically loading by the above, users can find it in System Registry or use 3rd party software.

Permanently disable TSR in Microsoft Windows XP, Windows Vista and Windows 7

1. Click **Start> Programs> Startup** .
2. Right-click and delete the file that does not want to start automatically.

If it is impossible to locate the program that is automatically loading, try locating the program in System Registry or in the msconfig utility.

Permanently disable TSR in Microsoft Windows 2000

1. Click **Start> Programs> Startup** .
2. Right-click and delete the file that does not want to start automatically.

If it is not possible to locate the program that is automatically loading, try locating the program in System Registry or in msconfig.

Permanently disable TSR in Microsoft Windows 98 and Windows ME

1. Click **Start> Programs> Startup** .
2. Right-click and delete the file that does not want to start automatically.

If you cannot locate the program that is automatically loading by following the instructions above, try the following steps: Locate the program in autoexec.bat, win.ini, System Registry or Windows 98 SE. Windows ME can disable programs through System Configuration or in msconfig.

Permanently disable TSR in Microsoft Windows 95

1. Click **Start> Settings> Taskbar> Start Menu Programs** .
2. Click the **Start Menu Programs** tab.
3. Click the **Advanced** button .
4. Open the **Programs** folder .
5. Open the **Startup** folder and delete the program that does not want to start automatically.

If it is not possible to automatically identify the program, try to find the program in autoexec.bat or win.ini. Windows 95 and NT users should also check in the System Registry.

Permanently disable TSR in Microsoft Windows NT 4.0

1. Click **Start> Settings> Taskbar> Start Menu Programs** .
2. Click the **Start Menu Programs** tab.
3. Click the **Advanced** button .
4. Open the **Programs** folder .
5. Open the **Startup** folder and delete the program that does not want to start automatically.

If you can't locate the program that is automatically loading, try searching for it in the System Registry.

Permanently disable TSR in Microsoft Windows 3.x

1. Open **File Manager**.
2. Locate and open the **Startup** folder .
3. Delete the program that does not want to start automatically from the **Startup** folder .

If it is not possible to locate the program loading automatically, try locating the program in autoexec.bat or win.ini.

Permanently disable TSR in Autoexec.bat

Note : This section only applies to Windows 3.x, Windows 95, and Windows 98 users. If you are not sure which version of Windows you are using, see the article: Identify the Windows version of the system for more information. detail.

After following the instructions that are appropriate for the running operating system, if the program or TSR is still automatically loaded every time the computer starts, it may be loading in autoexec.bat.

Permanently disable TSR in Win.ini

Note : This section only applies to Windows 3.x, Windows 95 and Windows 98.

If the program continues to load and you have checked the Startup folder and autoexec.bat, this program can also load in the win.ini file. To check this file, follow the steps below.

1. Windows 3.x users click on the **File** menu and select **Exit** to go to MS-DOS prompt.
2. Windows 9x users click **Start** and **Shutdown**, then restart the computer in MS-DOS prompt.
3. When in the MS-DOS prompt, run the following two commands:

```
cd windows edit win.ini
```

4. In the win.ini file, look for the lines with the content:

```
LOAD= RUN=
```

5. Verify that these lines are only **LOAD =** or **RUN =**, no text after the equals sign. If not, this may be the program is automatically loaded each time the computer starts.

6. To temporarily disable these lines, semicolons can be placed before them, as in the example below:

```
;RUN=
```

7. To save the file, open the **File** menu (**Alt + F**) , select **Exit** and **Save**.

Permanently disable TSR in System Registry

Note : This section only applies to Windows 95, Windows 98, Windows ME, Windows 2000, Windows XP and Windows Vista users. If you are unsure, check your version of Windows.

Windows 98 users should disable startup programs through System Configuration before making changes to the System Registry.

If the program continues to load after restarting the computer and you have verified that the program does not exist in the Startup directory, autoexec.bat or win.ini, the last place is System Registry. Before attempting to modify or change the System Registry, please refer to the article: Understanding the Windows Registry to better understand the potential risks when modifying the registry.

Once you've familiarized yourself with System Registry, open the registry key below to see which programs or TSRs are loading in the System Registry.

```
[HKEY_LOCAL_MACHINE\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN]
```

After locating the loading program, delete this program from the above key.

Important note : Do not delete any other files from any key.

Permanently disable TSR in System Configuration

Note : This section only applies to Windows 98 and Windows ME users. If unsure, please check the version of Windows you are using first.

To disable startup programs via System Configuration, follow the instructions below:

1. Click **Start > Programs > Accessories > System Tools > System Information** .
2. In the **System Information** window , click the **Tools** drop-down **menu** and select the **System Configuration** utility .
3. Select the **Startup** tab and uncheck the programs that do not want to load automatically.

System Configuration utility and msconfig

Note : The information below only applies to Windows XP and Vista users.

To disable auto-load programs, follow the instructions below.

1. Press the **Windows + R** key to open the **Run** box . Then enter **msconfig** and press **Enter**.
2. In the **System Configuration Utility** window, click the **Startup** tab . Uncheck each boot task you do not want to load. If you are not sure which startup program is causing the problem, try unchecking all items, then slowly start checking each item until the source of the problem is identified. Restart the computer after checking each item, allow the checked program to start when Windows boots and determine if the program is the source of the problem.

Which TSRs can be safely disabled?

Unfortunately there is no specific list of TSRs that can be safely disabled on the computer. Although there are some TSRs that are definitely not needed, the list depends on the version of Windows and the software installed on the computer.

The best suggestion is, if you are not sure about the TSR appearing on your computer, look for information on the Internet. Performing a search for the TSR file name, usually with an .exe extension, will yield the best results. See the top search results for information about TSR and determine if it can be safely disabled.

However, before researching TSRs on computers, users should run the software to remove all viruses and malware. Some viruses and malware take advantage of TSR to infect computers. Removing these viruses and malware will almost always remove the associated TSR from the computer. Once the computer has been cleaned up, users can check the TSR and study which one should be disabled.

Good luck!

See more:

1. Turn off programs that start with the system on Windows 10
2. How to add a startup program with the system?
3. How to turn off Windows Update on Windows 10

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