

13 Simple and Effective Ways to Fix a Frozen Computer

What causes a computer to freeze when starting up, with no display and unable to shut down? How to restart a frozen computer? Check it out now.

Anyone who uses a laptop has probably experienced the situation where their computer freezes. Therefore, how to restart a frozen computer that won't turn on or shut down is a topic of great interest to many people. So, in this article, let's explore 13 simple and effective **computer tricks to fix a frozen computer at home.**

Signs that indicate a computer is freezing.

A computer freezing is a common problem where the system responds slowly, freezes, or stops working abruptly. To correctly identify the cause and address it promptly, you can recognize the error through the common signs below:



The computer is stuck on a white screen.

1. **Completely frozen:** The computer screen freezes, and the mouse and keyboard are unresponsive to clicking or moving.
2. **Stuck on the 'Shutting Down' screen:** When attempting to shut down the computer, the system displays 'Shutting Down' for an extended period without actually shutting it down.
3. **The computer turns on but freezes and the screen doesn't display anything:** The device has power but doesn't show anything or boot into the operating system.
4. **White screen freeze:** The computer powers on but only displays a white background, failing to load the operating system or any information.

5. **The computer freezes but the mouse is still working:** The screen is unresponsive, but the mouse cursor is still active. You can move the mouse normally, but you cannot open applications, perform tasks, or shut down the computer.
6. **The application keeps freezing:** Running software stops working or shuts down unexpectedly. This can also happen when using a demanding application, watching videos, or browsing the web for extended periods.
7. **Computer freezes upon startup:** The computer takes a long time to respond or doesn't work at all after pressing the power button. Some computers may also emit loud fan noises or unusual sounds but still fail to boot into the system.

Reasons why your computer freezes.

A computer freezing, not displaying anything on the screen, or not shutting down after being turned on can disrupt your studies and work. There are many reasons for this. Below are five main causes you can consider.

Due to a virus

Virus infections are one of the leading causes of computer crashes and numerous other negative effects. The appearance of computer viruses is largely due to users accessing unsafe or poorly vetted websites. In addition, other reasons include: security vulnerabilities in software, hacker intrusions, and a lack of security systems.



The computer is overheating.

Many users experience their computers freezing and not displaying anything on the screen while in use. This is especially common with older computers. Additionally, accumulated dust and debris hinder ventilation and heat dissipation. This causes the computer to overheat, and the cooling system to work overtime, leading to the freezing issue.

You need to check your computer's temperature and clean it regularly to prevent it from freezing due to overheating.



RAM full

RAM is an indispensable component used to store data and power a computer. Therefore, when RAM is full, opening many tabs and using the computer for extended periods can easily cause the computer to freeze, lag, or become inoperable. This also causes the computer to overheat, slow down operations, and affect other functions.

A new, modern computer with high memory can help prevent many potential problems. At the same time, it helps to quickly process important tasks and work-related tasks. Visit Cellphones today to experience and choose the right laptop for you!

The hardware is loose.

Another reason why a computer might freeze is due to loose hardware. This can easily happen during computer assembly or repair. In such cases, unstable or intermittent connections on the motherboard can cause short circuits or weak signals. This can easily lead to the computer freezing and potentially affect other components in the laptop.

Graphics card error

A graphics card is a tool that processes and displays images on the screen. Therefore, using a faulty or incompatible graphics card can also cause a computer to freeze. This is especially true for users who use high-configuration software such as graphic design or video editing, as the graphics card may not be powerful enough to handle the demands.



How to quickly fix a frozen computer

Each cause of a computer freeze requires a different solution. Below is a compilation of 13 easy-to-implement solutions with the highest success rates. Please refer to them.

Wait a while

The easiest solution you can take when your computer freezes is to wait a while and avoid performing any actions on the machine. This will allow the laptop to rest and dissipate heat quickly, preventing it from overheating.

You may have to wait a few minutes. Then, restart your frozen computer and try again until it works normally.

Use Task Manager to completely close applications.

Some programs and software on your computer can cause it to freeze. Therefore, you need to close all these applications using Task Manager as follows:

1. **Step 1:** Open Task Manager by using Ctrl + Alt + Del.
2. **Step 2:** Select Task Manager, then click 'Applications'.
3. **Step 3:** Select the application you want to uninstall. Right-click and select "End Task" to completely close any applications that are causing your computer to freeze.

Disconnect the power using the hard button.

Disconnecting the power using the hard key is a method of using the power button on the keyboard to turn off the computer. This is simply a matter of pressing and holding the power button to restart the computer from scratch. Then, wait for the computer to completely shut down before turning it back on and using it as normal. This is a simple and effective way to fix a frozen computer, and is therefore used by many people.

Clean the heat sink fins to improve performance.

One of the reasons computers freeze is overheating due to excessive power consumption. Therefore, cleaning the heat sinks and properly maintaining the computer can help resolve this issue. You can use a mini brush, a

specialized vacuum cleaner, and a dedicated heat sink to easily clean the machine. Note that you need to thoroughly clean the small corners where dust accumulates.

Update the operating system when your computer freezes.

Updating your computer's operating system to the latest and most compatible version ensures smoother, more stable, and longer-lasting performance. This prevents the computer from becoming overloaded and can also prevent and fix computer freezes. Furthermore, this method helps complete tasks and operations on the computer quickly and efficiently.

Upgrade your RAM.

Insufficient free RAM can cause computer operations to slow down, leading to system freezes. To fix this, you should delete unnecessary applications and data. Also, stop any programs running in the background.

Additionally, you can upgrade your RAM to expand your storage. This helps your computer run more efficiently. However, remember to choose the right type of RAM for your laptop.

Restart the graphics card driver on your computer.

Using an incompatible graphics card is one of the reasons why a computer freezes. Therefore, once you've identified the cause of this error, you can fix it by restarting the graphics card driver on your computer.

You can do this by pressing Ctrl + Shift + Windows + B. Your laptop screen will then flicker briefly. But don't worry, it will quickly return to normal operation.

Replace the SSD hard drive.

Many computers still use traditional HDD hard drives. However, if you want to increase storage, improve memory processing speed, etc., you can upgrade to an SSD (120GB, 128GB, etc.). This is because SSDs have more features and operate more stably. However, they will be more expensive. Alternatively, you can combine both types to optimize costs and performance.

Kill viruses

One of the main reasons for computer freezes and slow performance is virus infection. Therefore, using specialized antivirus software such as Symantec Endpoint Protection, Kaspersky Antivirus, AVG Antivirus, Bitdefender Pro Plus, etc., can resolve this issue. Additionally, you should avoid accessing suspicious links or unverified websites to prevent virus infections.

Use System File Checker

Missing or corrupted system files are also a cause of computer freezes. In this case, you can use the System File Checker (SFC) tool to check and fix the problem in the following three simple steps:

Step 1: Press the Windows key on your keyboard. Type in the search bar and open Command Prompt. Then, select 'Run as administrator'.

Step 2: Type 'sfc /scannow', then press Enter and wait for the system to check.

Step 3: Restart the computer and finally check it again.

Limit the number of applications running simultaneously on your computer.

Running too many applications at once can cause your computer to freeze, lag, and slow down. This will significantly consume RAM and CPU resources, forcing the computer to work beyond its capacity. This is especially true if your computer has low memory and processing speed. Therefore, you shouldn't open too many applications at once. Only open the necessary tabs.

Check the devices currently connected to the computer.

Computers can connect to various devices such as headphones , phones , etc., via cables or Bluetooth. However, this can affect the laptop's performance, causing it to overheat and overload. This can lead to the computer freezing. Therefore, you should check the connected devices and ensure they are functioning properly.

Check if the Windows operating system is still working.

The Windows operating system affects many computer functions. It can cause technical errors when problems arise. Therefore, you can check Windows' operation when your computer freezes to find the cause and how to fix it.

Some signs that Windows is still running include: the computer screen displays normally, the LED lights are on, the computer is running and making noise, etc.

When should you take a frozen computer to a repair center?

You should take your computer to a repair center if the freezing issue occurs frequently and cannot be resolved with basic troubleshooting. Additionally, if the computer freezes upon startup or shows signs of hardware failure, a thorough inspection is necessary to prevent data loss and more serious damage.

If you encounter any problems resolving the issue, bring your device to Dien Thoai Vui so our technicians can quickly check the condition and identify the cause. Our staff will assist in fixing the freezing issue with a clear process and transparent pricing.

Note to minimize computer freezes.

A computer freezing and failing to shut down or display anything on the screen isn't a major problem, but it significantly impacts your work. Therefore, you can minimize this issue by following these tips:

1. Regularly clean and maintain your computer, cooling system, etc.
2. Update your computer's operating system and software accordingly.
3. Install antivirus software and enable automatic, periodic scans.
4. Avoid using multiple apps and tabs simultaneously.

The article above has introduced you to 13 ways to restart a frozen computer that won't turn on or shut down. You can choose one or combine several of these **computer tips** to fix the problem. If your computer keeps

freezing despite trying many methods without improvement, please bring your device to Dien Thoai Vui for a detailed check. Our technicians will help you resolve the issue quickly, efficiently, and cost-effectively!

Frequently Asked Questions

What's causing my computer to freeze when I try to open a game?

Game crashes are usually caused by CPU or GPU overload, overheating, insufficient RAM, faulty drivers, or software conflicts within the game.

Does using an SSD help reduce computer freezes?

Yes. SSDs increase read/write speeds, resulting in faster boot times, quicker application launches, and reduced system freezes caused by slow or faulty hard drives.

Will a computer crash cause data loss?

It's possible. The machine freezes while writing data, and the file is susceptible to corruption or loss if the user doesn't back it up regularly during the process.

You finished reading the article "**13 Simple and Effective Ways to Fix a Frozen Computer**" 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.