

Synthesize lag and lag tips, increase performance when playing games on Windows 10

The tips and tricks in this article will help you reduce lag, jerks, improve performance when playing games

Windows 10 is probably the most used operating system in the world, in addition to supporting the best tools for users at work, study, Microsoft is also improving and upgrading its operating system. for gamers. Users can experience traditional games on PC, or retro games exclusively for Windows 10.

Or more specifically, games on the Xbox One that are remotely streaming on Windows 10 under the same network conditions, in the tips list below will help you reduce lag, increase performance when playing games on Windows 10.

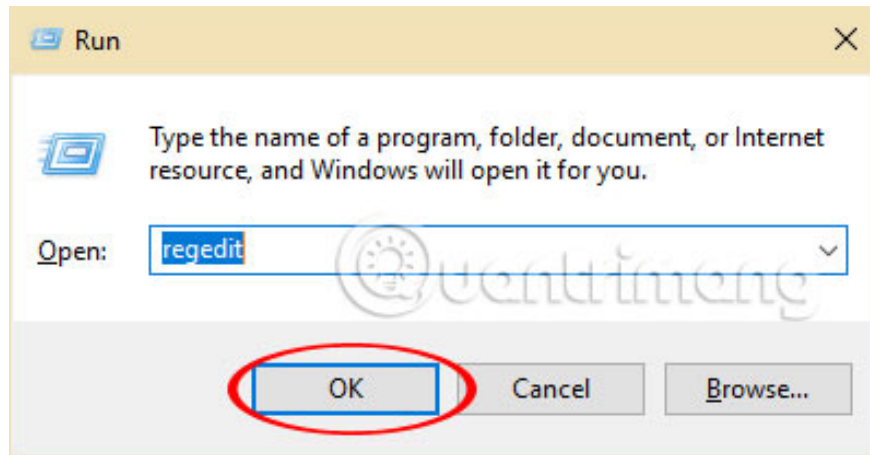
1. Instructions to reduce lag, reduce high ping when playing online games
2. How to reduce shock, lag when playing mobile games with UU Game Booster
3. Ways to check computer performance

Ways to improve performance when playing games on Windows 10

1. Reduce lag when playing game by disabling Nagle algorithm

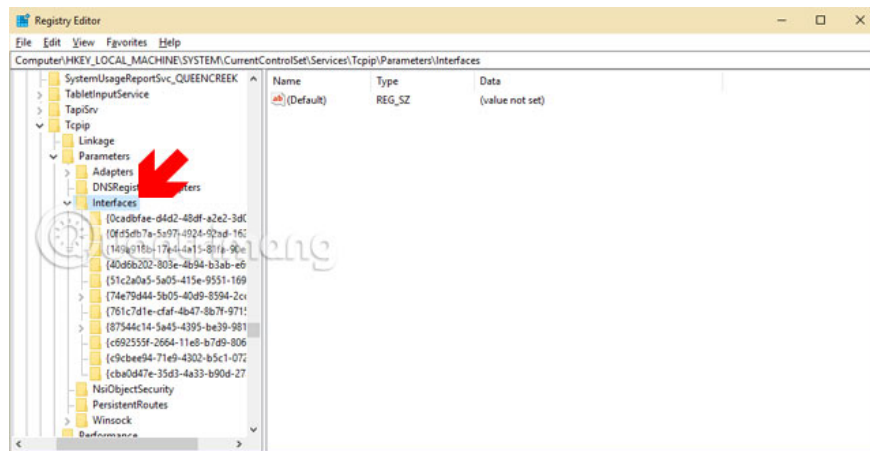
If your connection has no problem accessing the Internet, you may find lag when you play online. It is most likely because of this algorithm, how to turn off Nagle algorithm to reduce lag during game play, you can follow the instructions below.

Step 1: Open the **RUN** window by pressing **Windows + R** key combination, then click **regedit** and click OK to enter regedit menu.

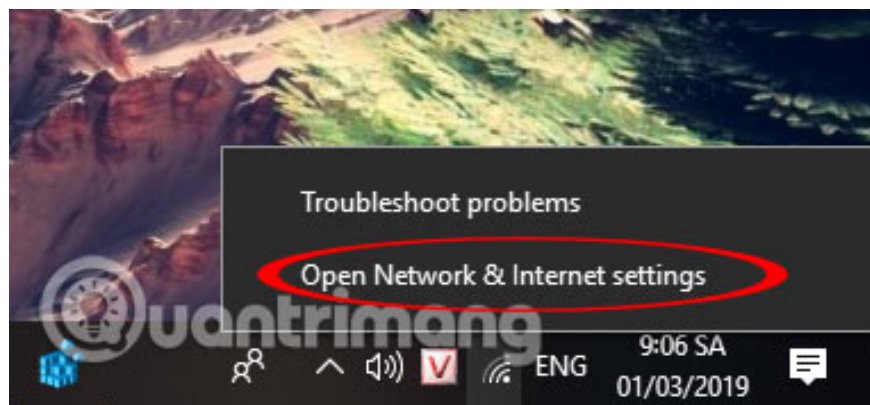


Step 2: In the regedit menu, go to the Interfaces folder under the path

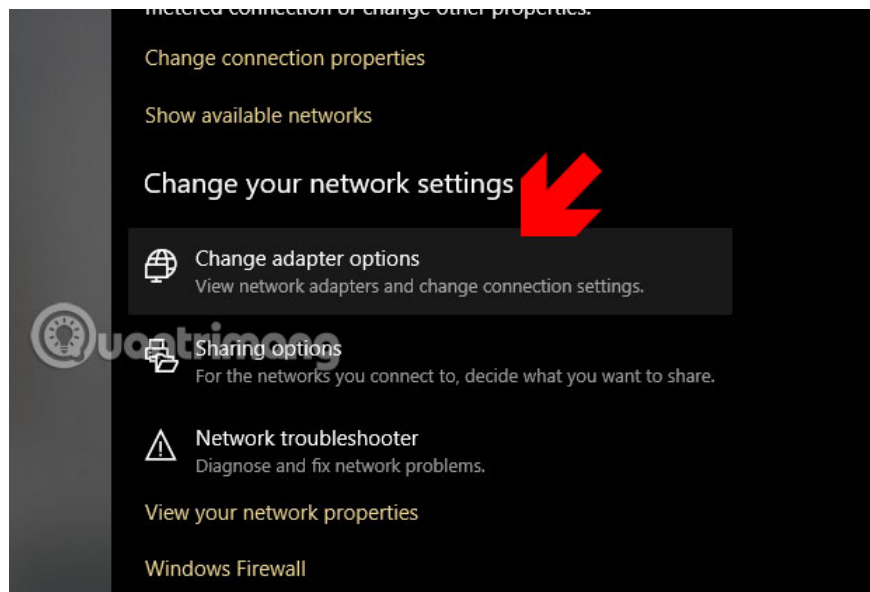
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces



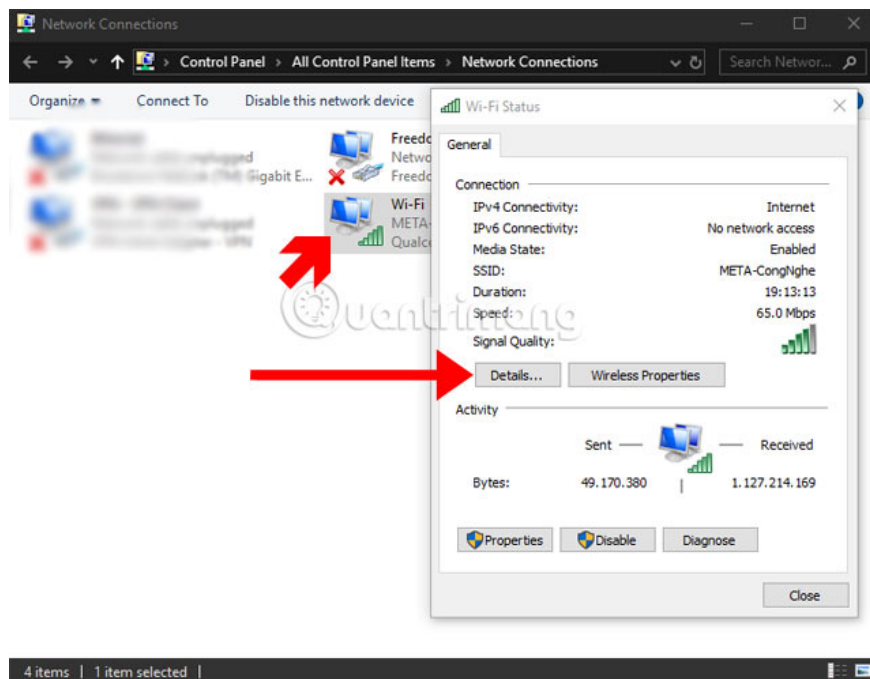
Next leave the regedit table there, go to the Desktop screen, right-click your network icon and select Open Network & Internet settings.



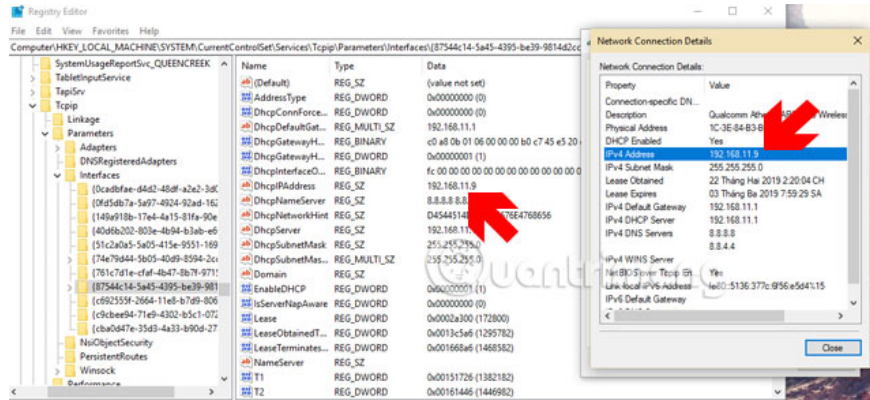
Go to **Network & Internet settings** menu, click **Change adapter options** .



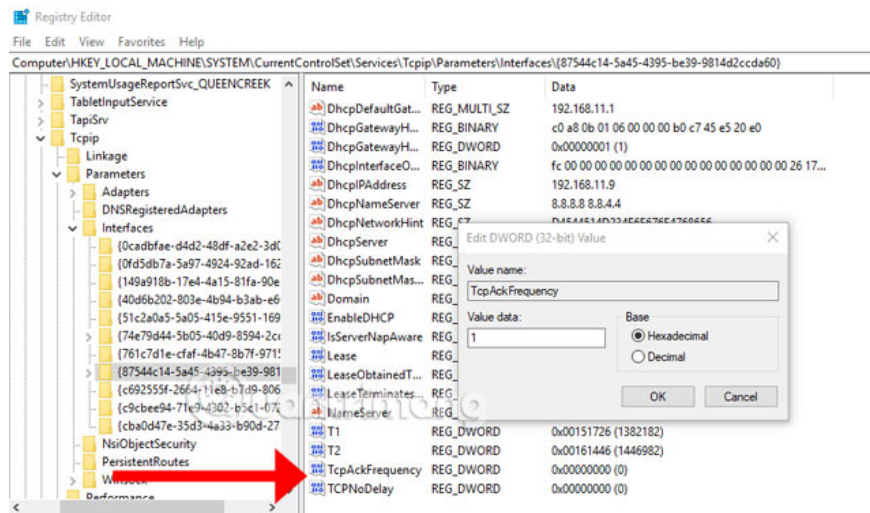
Then double-click on the network you are using and select Detail .



When the **Network Connection Details** panel pops up, look at what IPv4 address is, then search for each folder in the Interfaces to see if there is a folder with the corresponding address located in DhcpIPAddress.



Once you've found the folder with the corresponding IP address, create two new **DWORD** (32-bit) values ??with the names " **TcpAckFrequency** " and " **TCPNoDelay** " respectively. Next double-click these two values ??and replace **Value data** from 0 to 1, then click OK and restart the computer to be effective.



2. Turn off Steam's automatic update feature

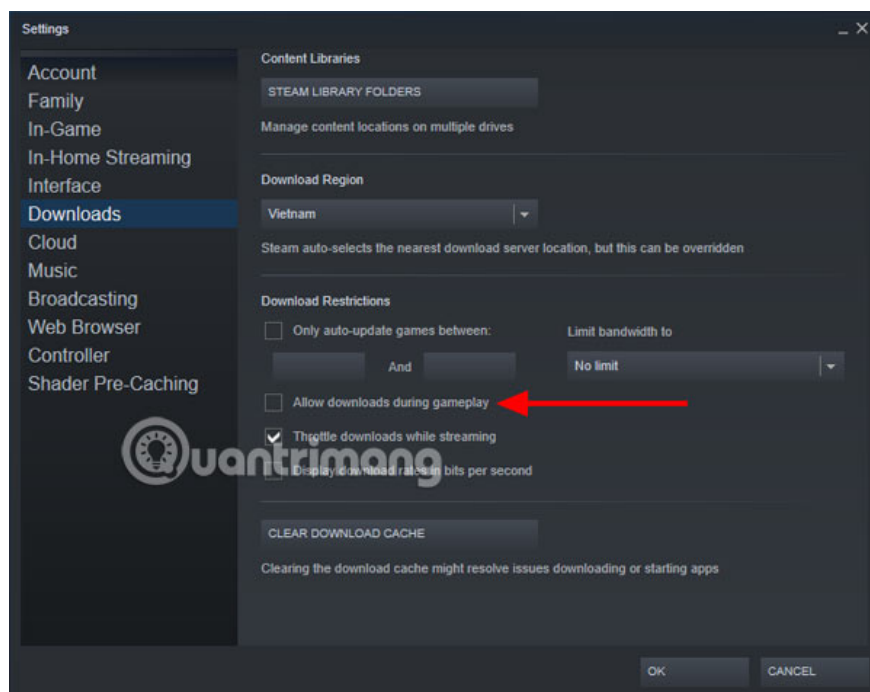
If you play games on a PC, then surely it is impossible not to know Steam. The software that provides this game has a rather annoying feature to automatically update users of existing games in their library. If your hard drive is large, it's okay but if your hard drive has an uncomfortable capacity, it will be quite troublesome.

When the hard drive is full, it will cause many problems such as slow boot or you have limited capacity for other data. Not to mention that it also takes up your internet bandwidth and slows down the network a lot. To turn off automatic updates for Steam, please do the following:

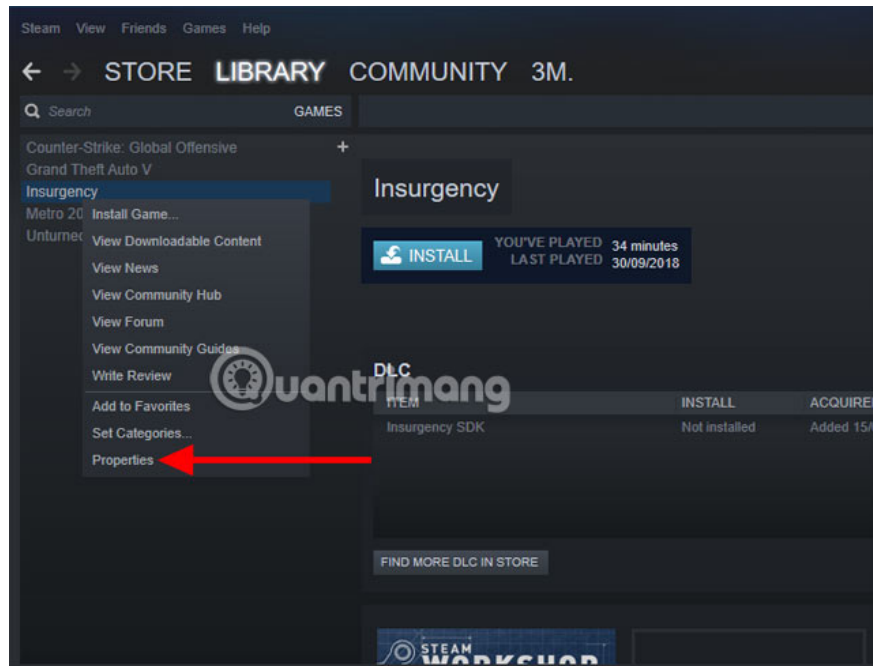
Step 1: In the Steam interface, click on Steam, then select **Settings** .



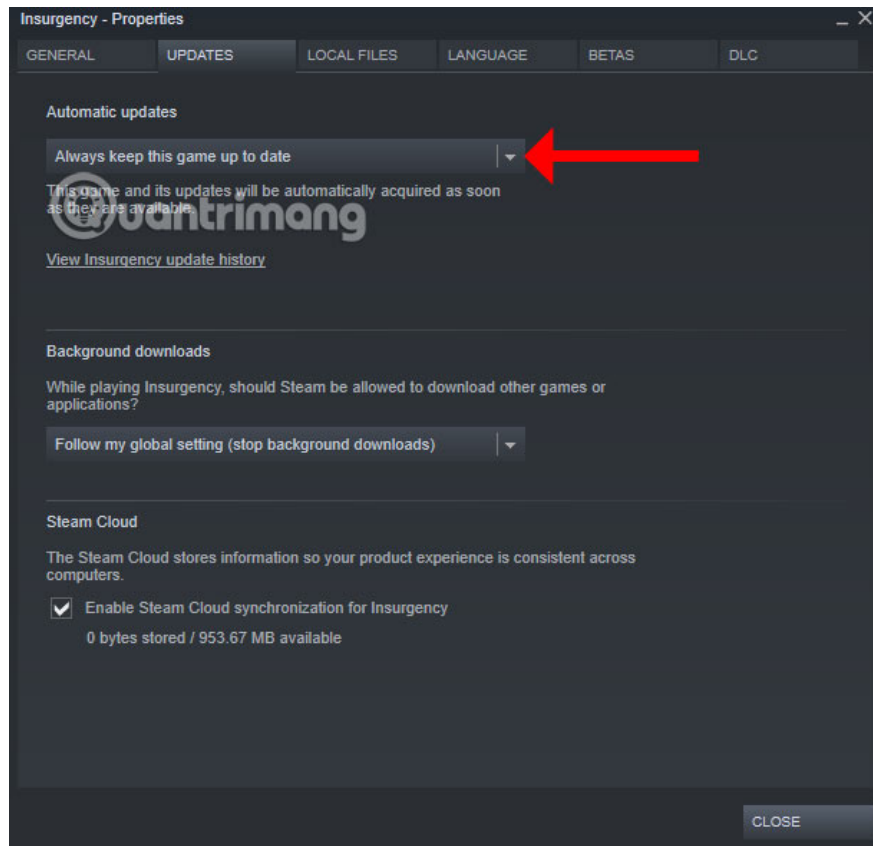
Next in the **Settings** window select **Download** , uncheck the **Allow downloads during gameplay** and click **OK** .



Next go to your game library, right-click on the downloaded game and select **Properties** .



Then in the **Properties** window of the game appears, please switch to the **Update** tab, select " **Only update this game when i launch it** " .



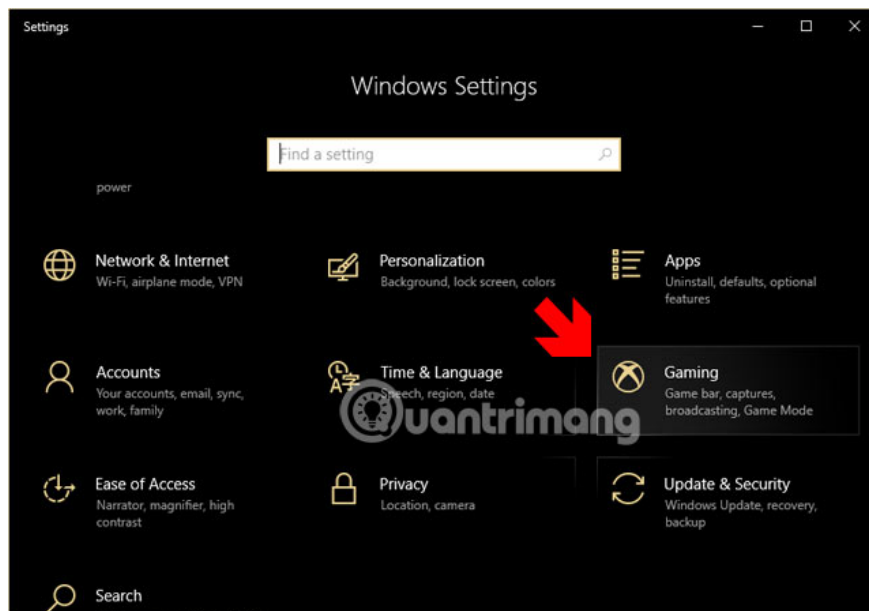
3. Turn on Game Mode

There may be many people who see this option but do not use it, Game Mode has the ability to optimize the system's resources, making CPU and GPU optimized and working better.

Specifically, this mode will allow users to use all of the system's resources to have a smoother experience, to help you not miss frames. Of course, your computer hardware must meet the minimum requirements of these games.

Once Game Mode is activated, the computer will use most of the CPU's power for gaming. In addition, non-essential or non-priority tasks will be forced to stop working. How to turn on game mode you can follow below.

Step 1: Open the **Windows Settings** window, in the **Windows Settings** menu, select **Gaming** .



In the **Game Mode** menu, select Game Mode on the left, then in the right window, turn Game Mode to **ON** to activate Game Mode.



4. Turn off the automatic Windows update feature

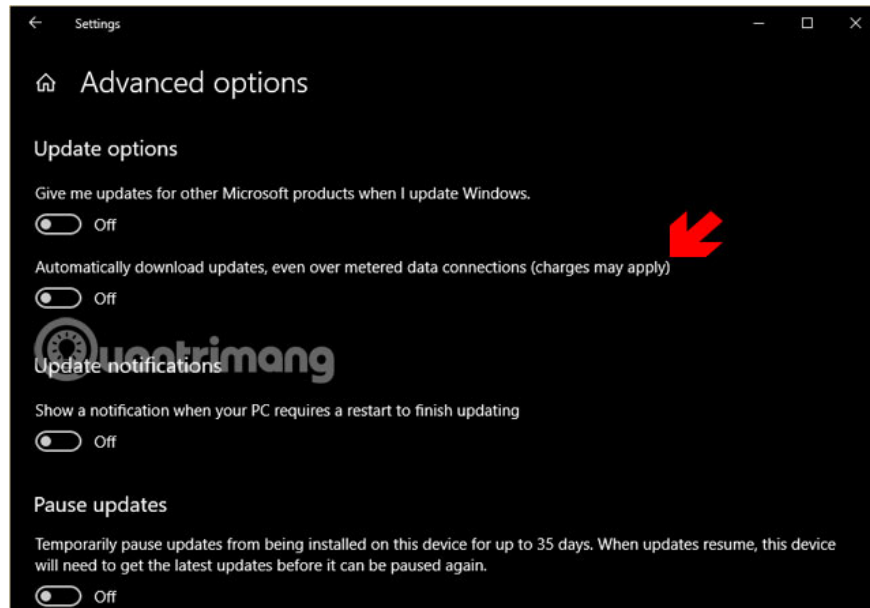
Windows 10 whenever there is new update will automatically update Windows without the permission of the user, although it does not appear often, but it is quite annoying when you are playing the game and notice the request to update displayed and must restart the computer, right?

In addition to updating, Windows 10 automatically downloads updates in the system without giving any warning to users. You can delay automatic restart of Windows by following the instructions below.

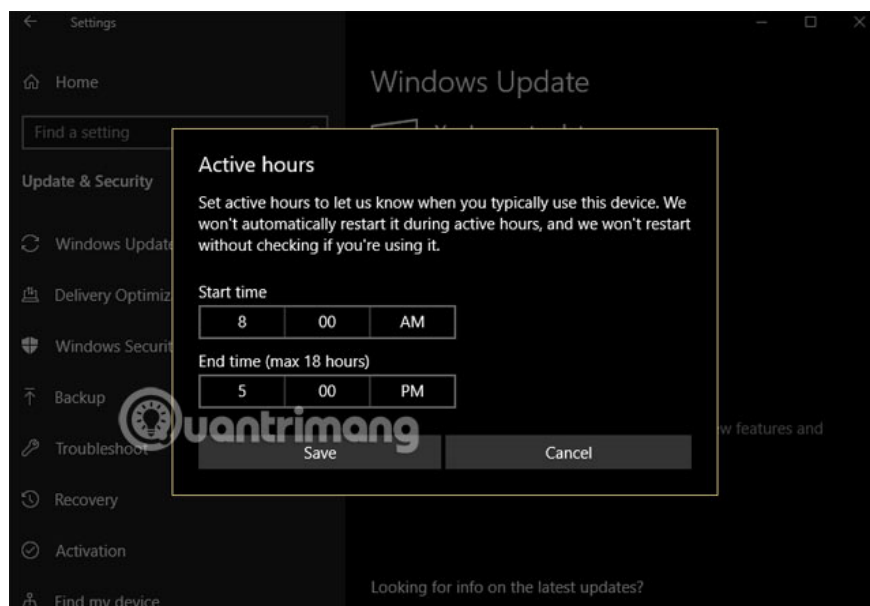
Step 1: Go to Settings , select Update & Security > select Windows Update > choose Advanced options.



Step 2: Next turn off Automatically download updates, even over metered data connections (charges may apply) . It is OK from ON to OFF.



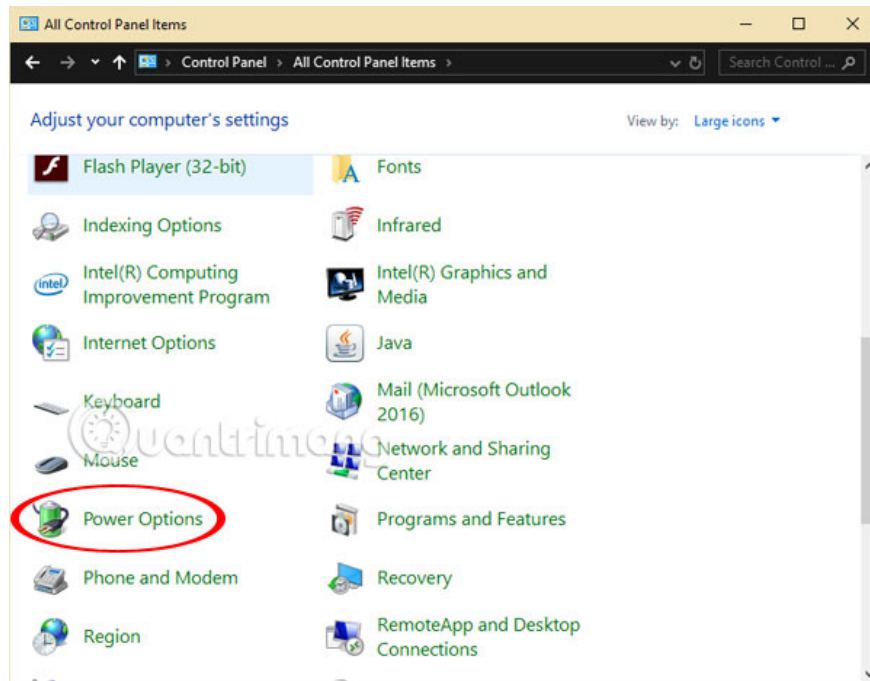
Then, go to the **Windows Update** menu and click on the **Change active hours option** , then set the time when you allow the download process and install updates for **Windows 10** .



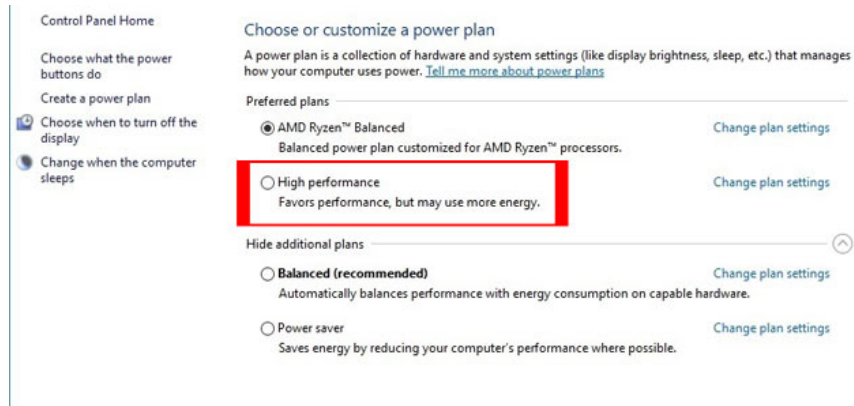
5. Use maximum power when playing games

By default Windows will use low power mode to keep performance at normal levels. Many users will not feel the difference, however, some gamers said the experience will be better when using the maximum power mode on Windows 10, so you can follow the instructions at down here.

Step 1: Go to Control Panel , select **Power Options** .



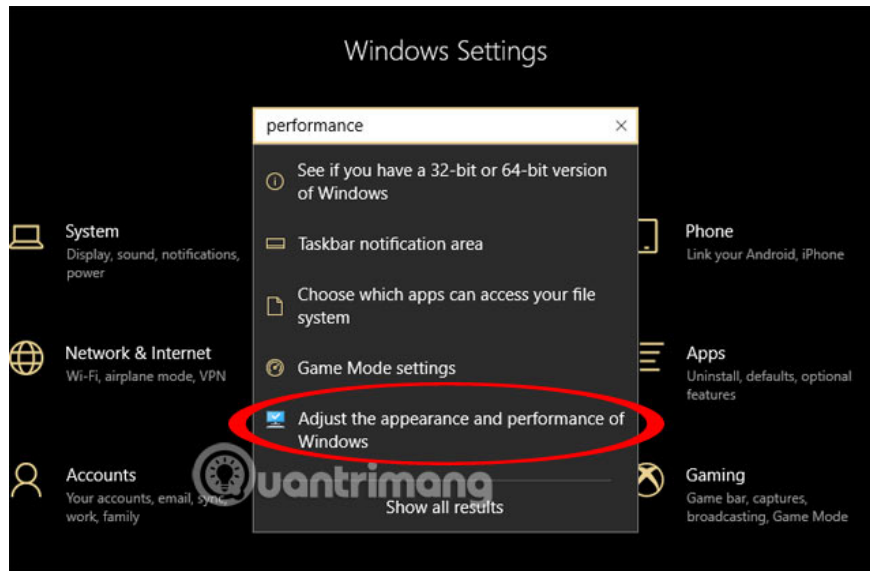
In the menu **Choose or customize a power plan** , select **High performance** . Then go to the game and experience.



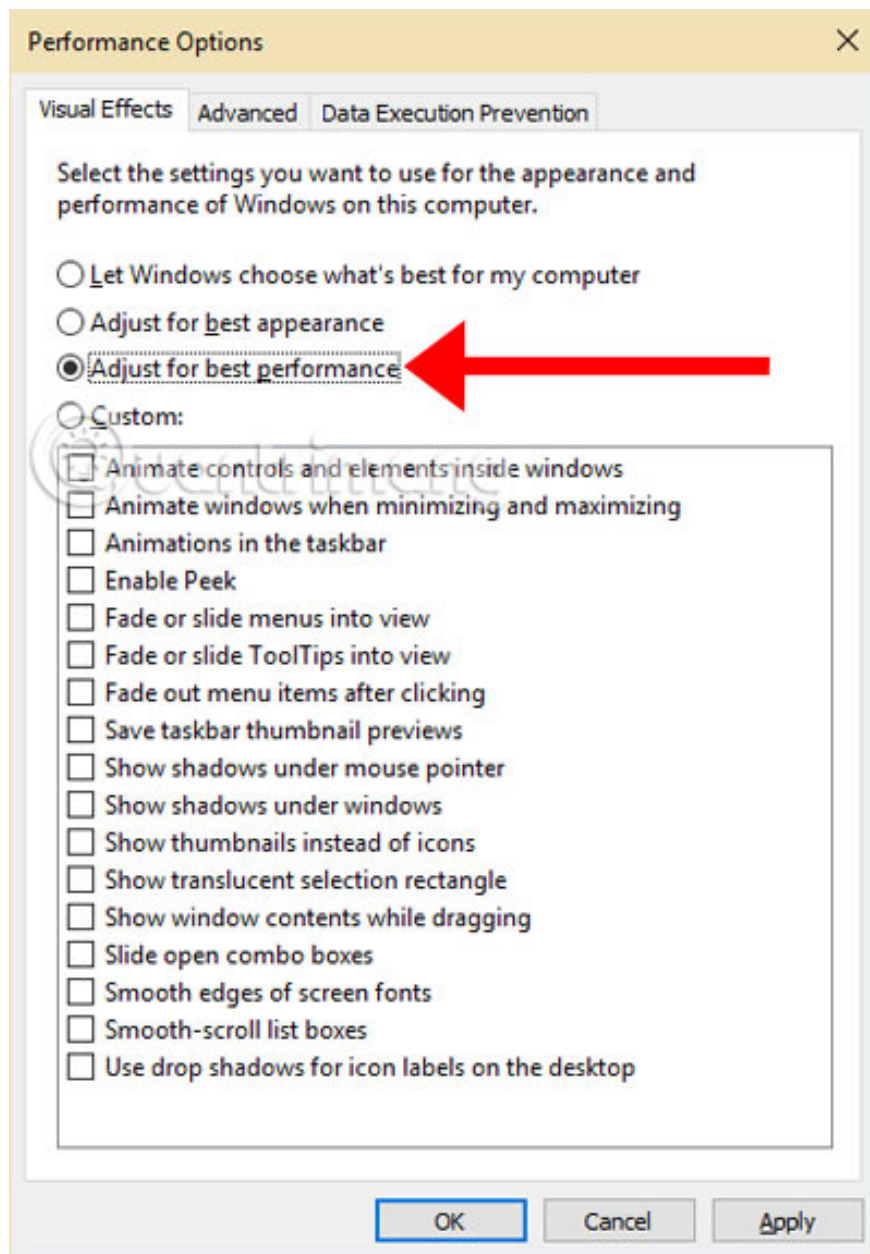
6. Reinstall image effects on Windows 10

The user interface effect on Windows 10 is quite nice, however, this is an obstacle to the processing power of the system. And sometimes background games can cause system conflicts with the operating system interface effects that users don't know. To fix and increase the processing capability of the system, please follow the steps below to adjust the effect of Windows.

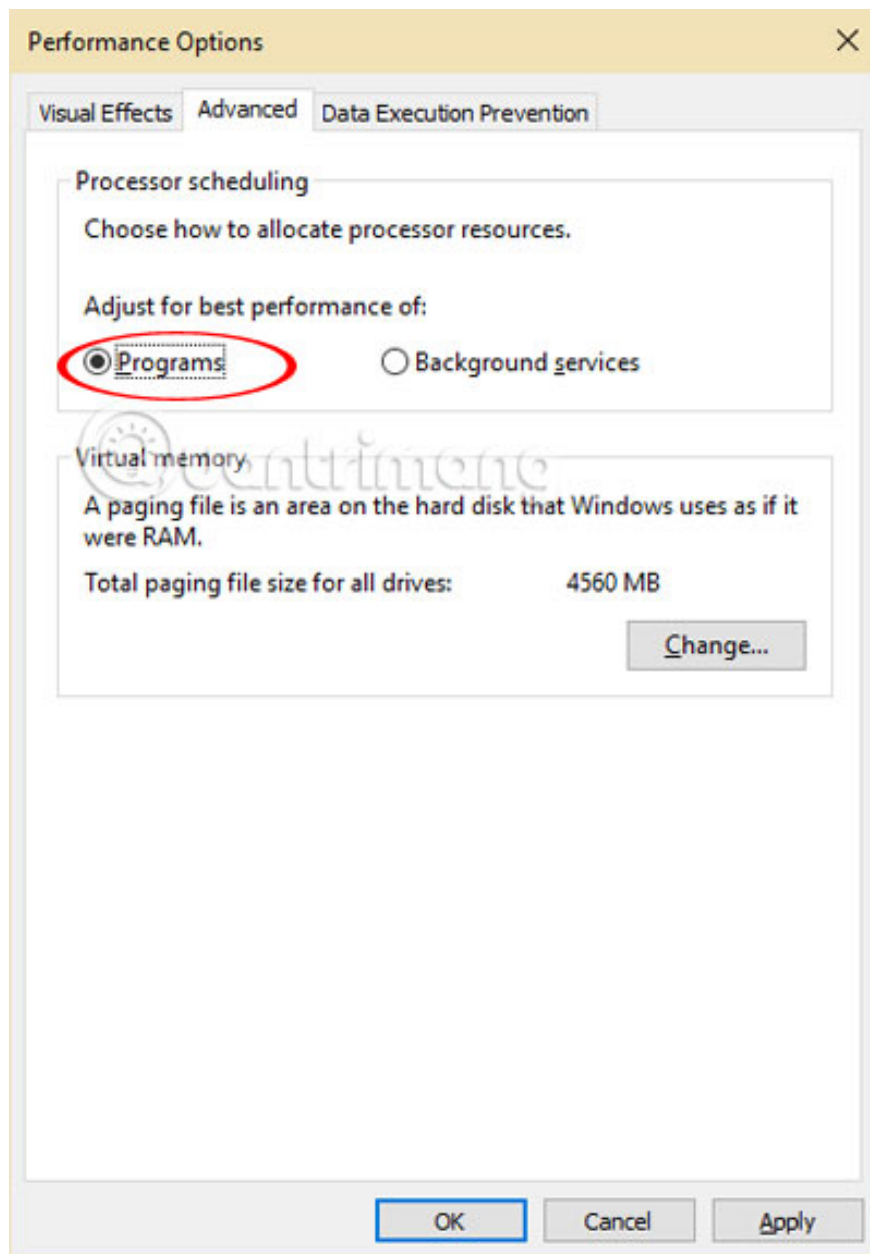
Step 1: In the **Windows Settings** menu, enter the **Performance** keyword in the search box **Settings** , then click the option **Adjust the appearance and performance of Windows** at the bottom.



Step 2: In the **Performance Options** window, select the **Adjust for best performance** option in the **Visual Effects** tab.



Next go to the **Advanced** tab and check the **Programs** option in the **Adjust the best performance option** . Then click **OK** to save.

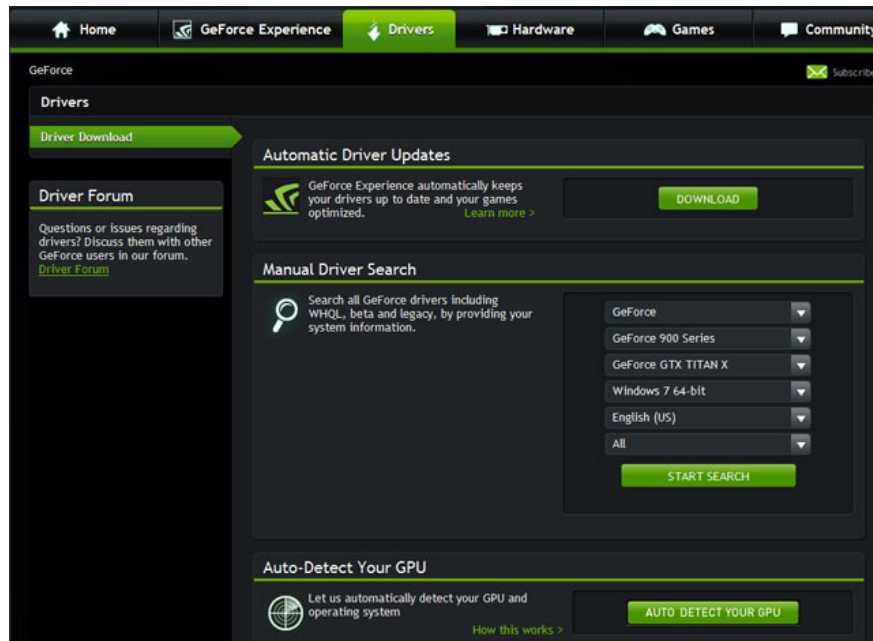


7. Update the video card driver regularly

GPU (Graphics Processing Unit) plays a very important role in the game experience on computers, and if you have the latest driver version, you should update the GPU to work in the best state.

When updating the driver for the video card, the errors related to the graphics card will be automatically corrected or tweaked to other settings to help optimize the performance of the video card. Usually the best updates will be supported by the card company's software. Or you can go to the homepage of the company and find the card name and ask to download the latest version of the video card.

Or you can refer to the 5 basic ways to update, update your computer's drivers to update drivers for all hardware on your PC.



Here are a few tips and tricks to make your game experience more complete. See what you are missing from this list, so do it now to have a better experience in gaming.

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