

How to speed up BlueStacks, make BlueStacks run smoother

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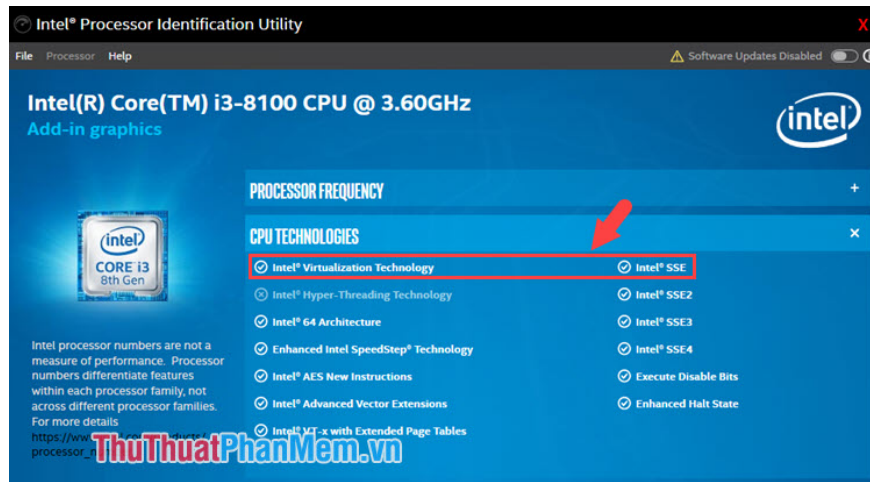


1. Enable Virtualization (VT) on the PC

Because BlueStacks software is a virtualization software, emulating an Android device to run Android applications, our computer needs to support and enable virtualization for the software to work smoothly. With Intel CPU models, this technology is called Intel (R) Virtualization Technology, while on AMD CPU will be called AMD Virtualization (AMD-V) Technology.

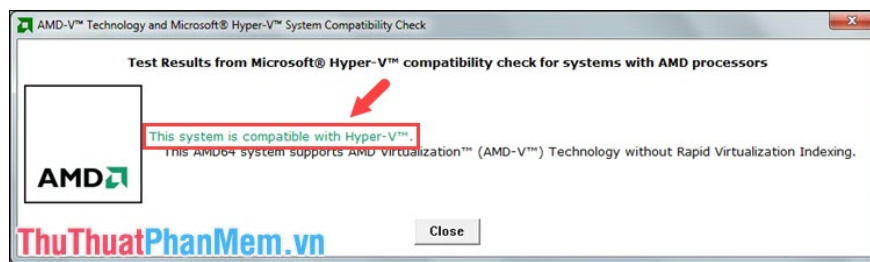
Step 1: To check if the CPU supports virtualization, please download the testing tool at

With **Intel** **CPU** :
[https://downloadmirror.intel.com/28539/a08/Intel\(R\)%20Processor%20Identification%20Utility.exe](https://downloadmirror.intel.com/28539/a08/Intel(R)%20Processor%20Identification%20Utility.exe)



After downloading, install the software and check if your Intel CPU supports the virtualization feature in CPU Technologies, if the Intel Virtualization Technology line has traces.

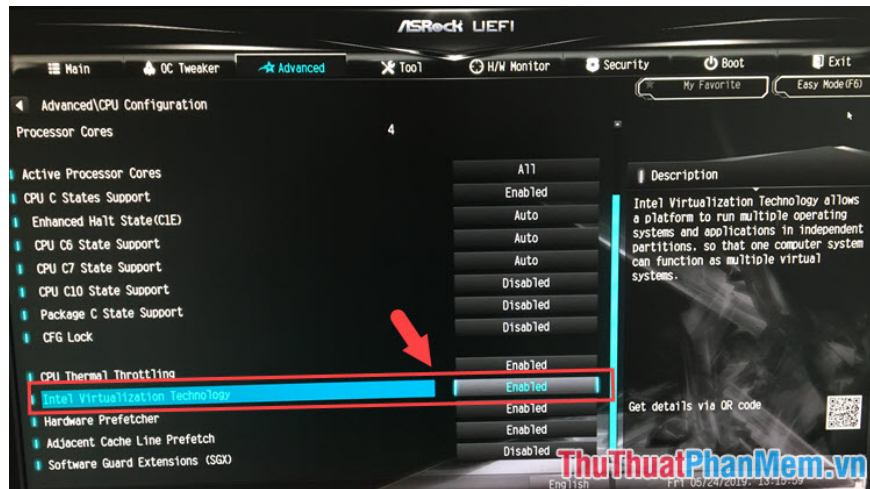
With **AMD CPU** : https://download.amd.com/techdownloads/AMD-VwithRVI_Hyper-V_CompatibilityUtility.zip



After downloading AMD CPU test utility and open it. We check to see if the software displays This system is compatible with Hyper-V, which means your AMD CPU supports the Virtualization feature.

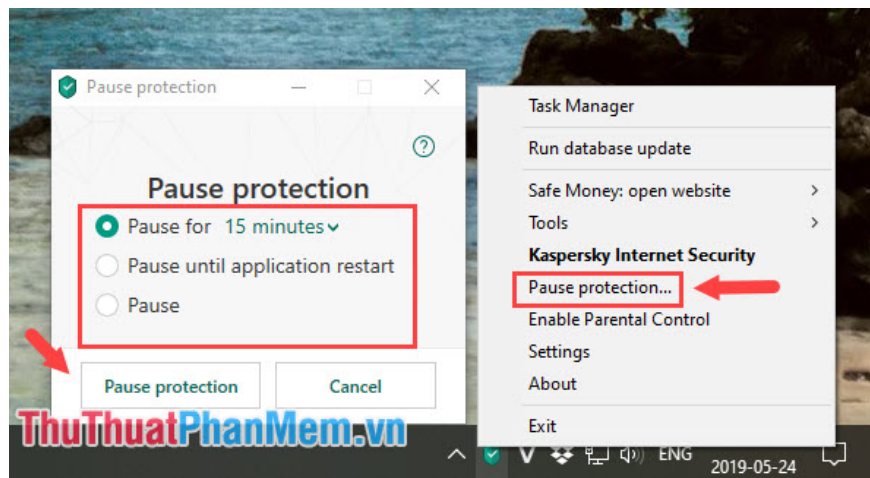
Step 2: Turn on the **Virtualization** feature in the BIOS.

Once we know that your device supports Virtualization, we start enabling this feature in the BIOS. To access the BIOS, press F2, F10, or Del depending on the motherboard. Then you find the section **Virtualization** in **Advanced CPU** and **Enabled** this feature up.



2. Pause antivirus software when using BlueStacks

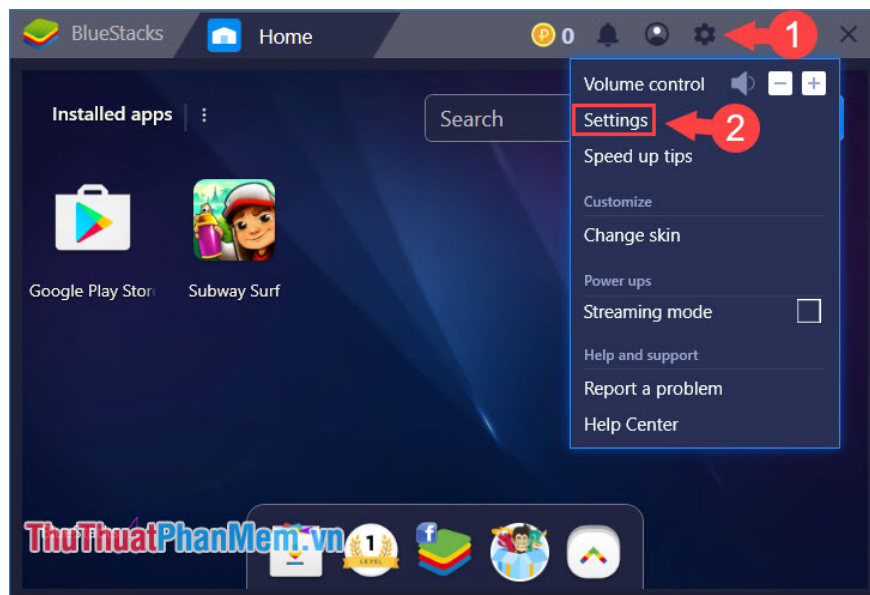
Antivirus software also causes BlueStacks to be slow and lag. To temporarily turn off the antivirus software, right-click on the icon of the antivirus software and select **Pause Protection** . to temporarily turn off the software.



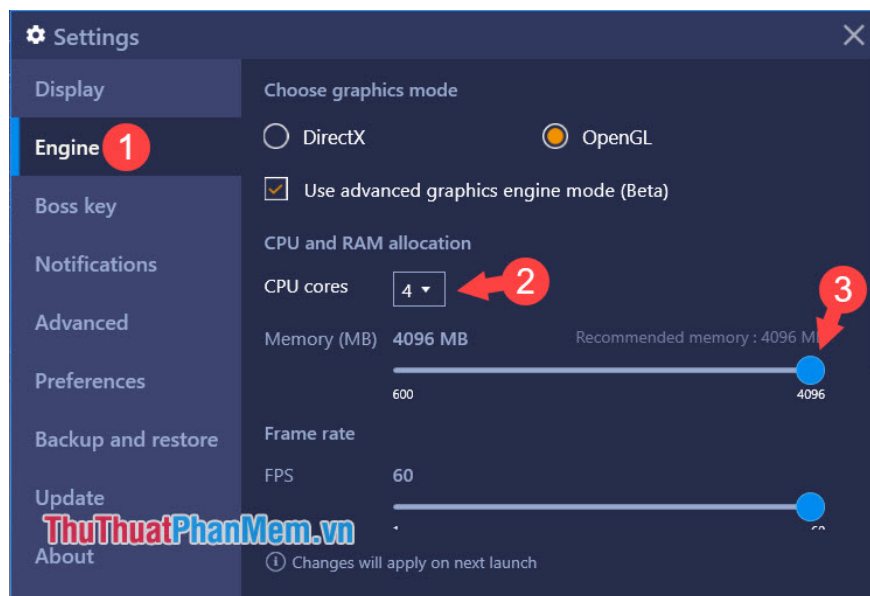
3. Increase CPU and RAM settings in BlueStacks

By default, BlueStacks will optimize CPU and RAM cores in moderation so that your computer works smoothly for other tasks. To get the most out of your hardware on BlueStacks, follow these instructions.

Step 1: Click on the gear icon (1) => **Settings** (2) .



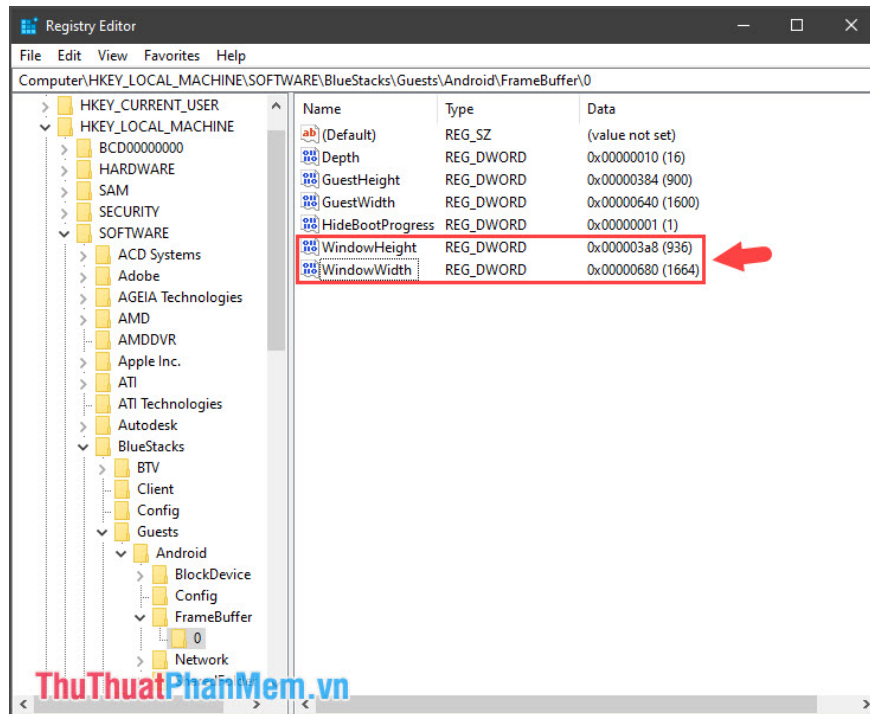
Step 2: We move to the **Engine** tab (1) . Section **CPU cores** (2) , you set the minimum number of 2 for the software to work smoothly. If the CPU has 4-6 cores or more then we should set a minimum of 4 cores for software to work faster. Section **Memory** (3) we should drag the maximum slider to the right to make the most of the amount of RAM set on the machine.



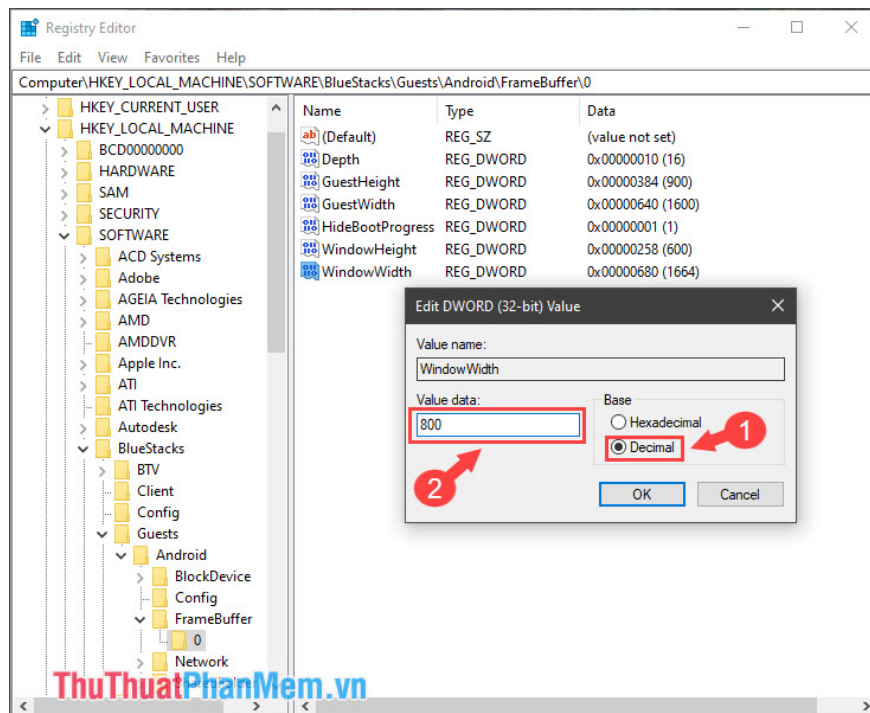
4. Set the screen resolution

Step 1: Open the Registry Editor using the key combination **Windows + R** and type *regedit* => **OK** . After opening **Registry Editor** , navigate to the address *HKEY_LOCAL_MACHINESOFTWAREBlueStacksGuestsAndroidFrameBuffer*

Here, you pay attention to two items are **WindowHeight** (height) and **WindowWidth** (horizontal).



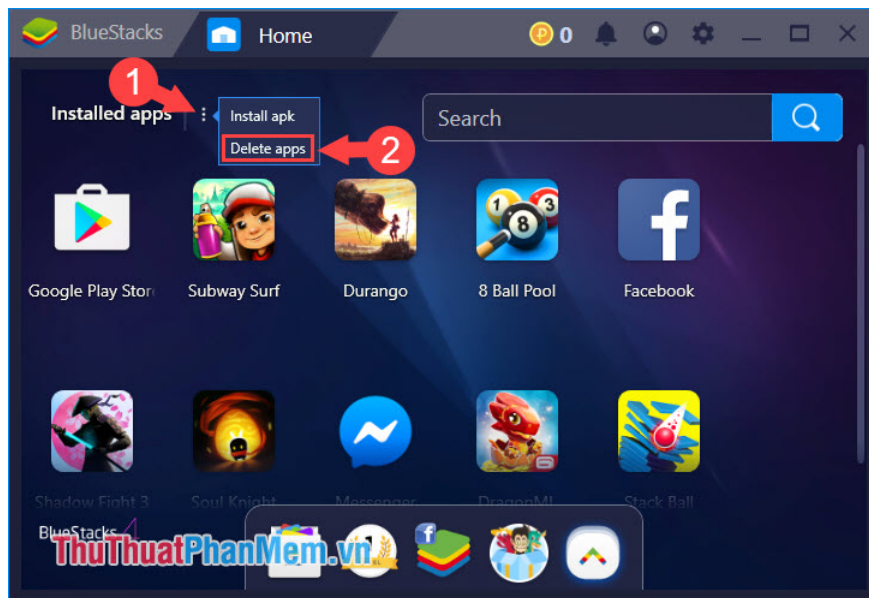
Step 2: You double-click on these two items and select the value **Decimal** (1) . Then you set a suitable number in **Value Data** (2) . We should set the index between Height: Width at below 768: 1024 for the software to work most stable, but we should not set the window too small to be difficult to use.



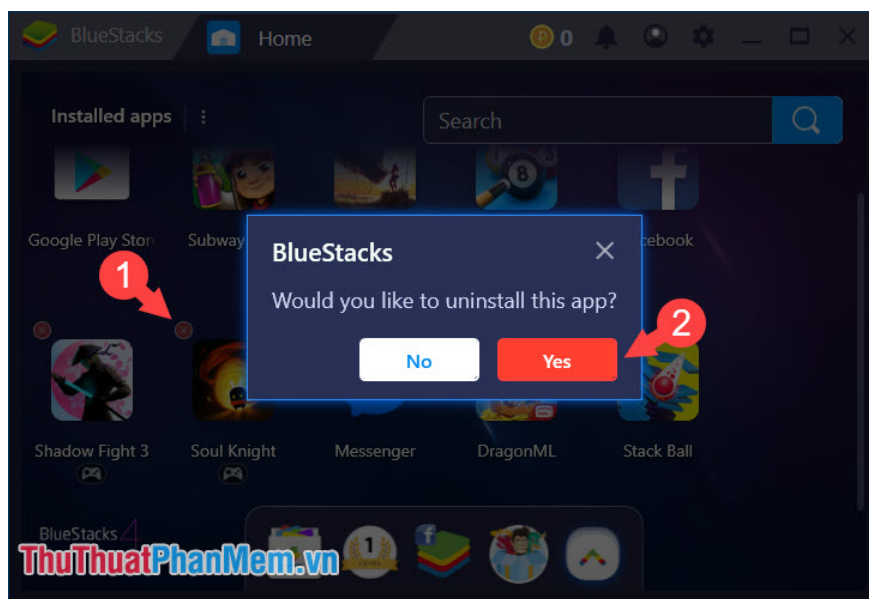
5. Delete applications in BlueStacks

We should remove the applications in BlueStacks to make the software launch faster and smoother. How to do the following:

Step 1: In the main menu, we click on the 3 dots (1) => **Delete apps** (2) .



Step 2: Click the red (X) (1) to delete and click **Yes** (2) .



With the speeding tips for BlueStacks in the article, surely we will improve the speed for BlueStacks software to be more smooth. Good luck!

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