

# Is Windows Virtualization (Virtualization) testing enabled?

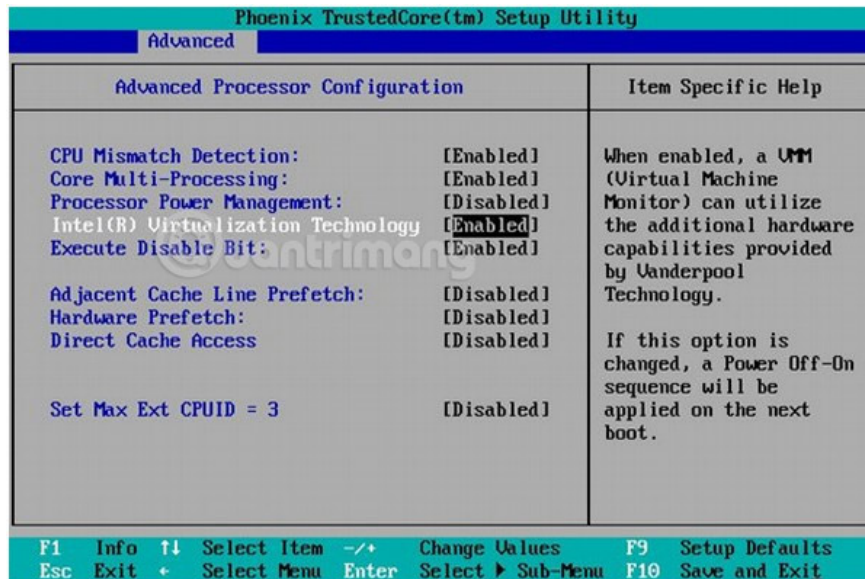
How to know if the computer has virtualized? With the virtualization test turned on or off in this article, you can know the virtualization status of your computer in less than 1 minute.

Virtualization technology is supported by both AMD and Intel processors. AMD calls their virtualization technology AMD-V, Intel, called VT-x. Up to this point, only cheap or obsolete processors do not support virtualization. If your computer has virtualization enabled, you can use virtualization-enabled hardware to run virtual machines, install virtual operating systems on the main operating system, share hardware resources with the main operating system, but Perform activities completely in isolation. It is easier to understand that you can install Linux on Windows using VirtualBox, install MacOS or install Android on Windows with virtualization software like VMware, VirtualBox or Android emulation software.

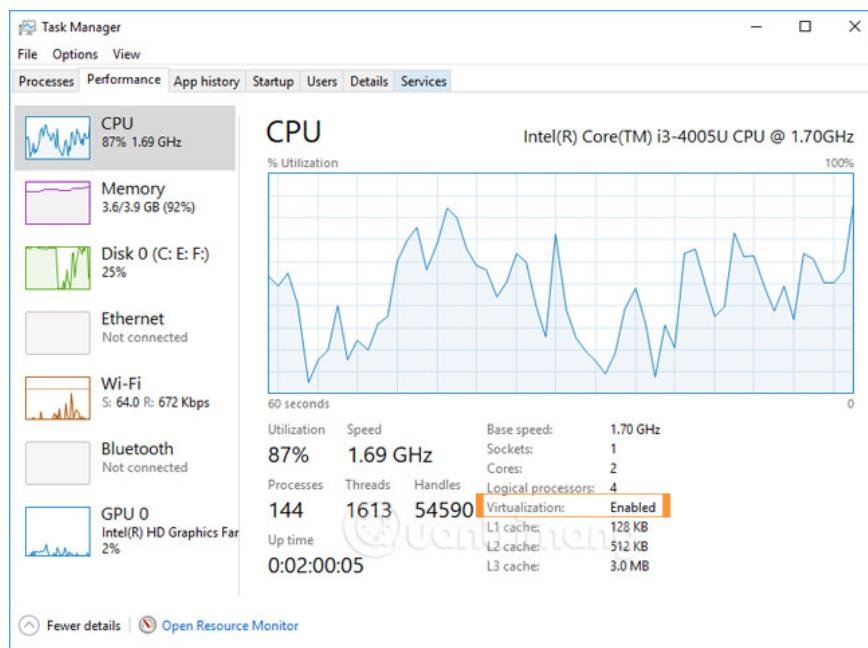
Virtualization is also used by some antivirus software to isolate suspicious files, preventing them from harming your computer. For example, Avast Antivirus uses hardware virtualization to run suspicious applications in the sandbox to prevent any possible virus infection.

In order for these applications to use virtualization technology, you must make sure you have enabled virtualization in the BIOS (for old operating systems and computers). In newer computers, using EFI instead of BIOS, VT-x and AMD-V can be turned on right in Windows through applications that want to use virtualization.

Normally in the BIOS or EFI, you need to find the Virtualization Technology option, switch it to Enabled, save settings and reboot.



If virtualization is enabled, you can easily check it through Task Manager. Open Task Manager by pressing Ctrl + Shift + Esc, select the Performance tab, look at the lower right corner, find Virtualization, you will see Enabled (enabled).



There are a number of other tools to check whether virtualization on your computer is turned on, but this may not be necessary when Task Manager can specify the state of virtualization. If you are using Windows 7 and earlier, Microsoft also provides a tool to detect if the hardware virtualization enabled on the device is turned on. You can download it here:

<https://www.microsoft.com/en-us/download/details.aspx?id=592>

If you are a programmer or know a little bit of code, you will quickly find the state of virtualization using the C code below:

```
#include #include int main(){ if(IsProcessorFeaturePresent(PF_VIRT_FIRMWARE_ENAB
```

This code can be compiled by any new C compiler like GCC, MSVC or Pelles.

With just a few simple steps, you know that virtualization on your computer is on or off. If the virtualization status is off and you want to turn it on, please refer to this article: [How to turn on virtualization Intel VT-x in BIOS or UEFI](#)

See also: [Delete the most "stubborn" files on Windows](#)

You finished reading the article "**Is Windows Virtualization (Virtualization) testing enabled?**" 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.