How To Enable Hyper-V On Windows 10 Home

Usman Khurshid   📅 May 11, 2020

Hyper-V is Microsoft's virtualization platform. It is available on Windows Server Operating Systems but Microsoft has added the Hyper-V functionality to Windows 8.1 and Windows 10.

Unfortunately, the Hyper-V feature is only available in Windows 10 Professional and Enterprise editions. You can't install it on Windows 10 Home Edition by default.

However, using the steps in this article, we'll show you how to enable Hyper-V in the Windows 10 Home edition.

Does your system support virtualization?

Before moving forward, we need to check if our system supports virtualization. Hardware virtualization is required for Hyper-V to function correctly. Otherwise, you can use other virtualization platforms like Virtualbox and VMWare.

There are four basic requirements for Hyper-V to be installed on a Windows 10 computer:

- VM Monitor Mode Extensions
- Virtualization enabled in firmware
- Second level address translation

- Data execution prevention

You can check all these requirements by opening the Command Prompt (**Run –> cmd**) and running the **systeminfo** command. You can check the Hyper-V requirements section.

Hyper V Requirements

Most modern computers support all the requirements of Hyper-V. But some systems have virtualization disabled from BIOS. You can go to the BIOS setup computer at the startup and enable Virtualization.

Enable Virtualization Support from BIOS

Enable Hyper-V in Windows 10 Home

Follow the steps below to install and enable Hyper-V in Windows 10 Home.

1. Download Hyper-V Enabler from here:
   🔲 **Hyper-V installer and enabler for Windows 10 Home** (317 bytes, 14,961 hits)

2. Once downloaded, right-click on the file and select Run as Administrator. This will trigger the installation script. It may take some time to complete the installation. Please let it complete without interruption.
3. Once complete, press Y to continue. The system will restart.
4. You will see the Windows updates screen upon restart.
5. After restarting, you can check if the Hyper-V option is visible in Windows Optional Features. To check, go to **Run –> optionalfeatures**. You will find **Hyper-V** and **Hyper-V Management tools**.

You can search for **Hyper-V** in the start menu to start creating virtual machines on your Windows 10 Home computer.

Search for hyper v in the start menu

I noticed an interesting thing that Hyper-V was installed within a virtual machine. So I could create a virtual machine within a virtual machine.

Disable Hyper-V from Windows 10 Home

If you don't want this functionality in your computer, you can always disable it. There are two ways to disable:

1. Go to **Run –> optionalfeatures**. This will open the Optional Features window.
2. Uncheck **Hyper-V** and **Hyper-V management tools**.
3. Restart the computer.

You can also do this using the command-line:

PowerShell

```
Disable-WindowsOptionalFeature -Online -FeatureName Microsoft-Hyper-V -All
```

Command Prompt

```
DISM /Online /Disable-Feature /All /FeatureName:Microsoft-Hyper-V
```

Sometimes Hyper-V is very useful even for home users. It can be used to test and evaluate new software without hurting the host system. But there are times when enabling virtualization support or installing Hyper-V is not recommended.

Hyper-V requires some system resources to run its virtual machines. For example, if you have 4 GB RAM, you won't be able to give any resources to the virtual machine. So it would not be wise to enable Hyper-V functionality.

For what purpose do you want to enable Hyper-V functionality on your Windows 10 Home computer? Please share your thoughts in the comments below.

Continue Reading:

- How To Enable RemoteFX vGPU Support In Hyper-V
- How To Transfer Files Between VM and Host In Hyper-V
- How To Enable Remote Desktop In Windows 10 Home (RDP)
- How to Enable Local User and Group Management (lusrmgr.msc) Console in Windows 10 Home
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Usman Khurshid

Usman Khurshid is a seasoned IT Pro with over 15 years of experience in the IT industry. He has experience in everything from IT support, helpdesk, sysadmin, network admin, and cloud computing. He is also certified in Microsoft Technologies (MCTS and MCSA) and also Cisco Certified Professional in Routing and Switching. Reach him at Twitter [@usmank11](#)

36 thoughts on "How To Enable Hyper-V On Windows 10 Home"

Naman Gupta

January 14, 2021 at 1:35 PM

Hello Sir,

I have successfully installed the hyper v but when I am checking in the task manager under virtualization section there still showing disabled

Reply

Usman Khurshid

January 18, 2021 at 9:14 AM

You should enable virtualization from the system BIOS otherwise Hyper-V will not work.

Reply

Aniruddha Jagtap

December 12, 2020 at 11:04 AM

it takes so long time to get install ..

Reply

Revathy

November 16, 2020 at 6:40 PM

Thanks a lot! I have a doubt, sir. This is not regarding the hyper V installation but when I try to install CentOS7 on VM it shows that boot error and reboot by choosing a proper option. Can you please tell me a solution for this?

Reply

Zain

November 2, 2020 at 9:55 PM

Hi Usman, I installed this & it worked for me. But I am not able to uninstall it using the command that you pasted above. It only disables hyper v but I would like to uninstall it from my system. Any help would be appreciated.

Reply

Michael A Dempsey

November 27, 2020 at 9:07 PM

Don't worry about it. When the next windows feature upgrade happens it will disappear.

Reply

Junnie

October 27, 2020 at 10:15 PM

It takes so long to install, but thx

Reply

oldschoolel

September 22, 2020 at 8:14 PM

Thank You! This is the only Windows Pro feature I use and I could NOT justify the additional $99 to upgrade for ability to use one application.

Reply

MD IMRAN

August 21, 2020 at 11:10 PM

After RUnning your script. Hyper visor is installed but not showing in search.

Could yould u please update on this.

Imran

Reply

Usman Khurshid

August 24, 2020 at 3:56 PM

You can go to Start Menu –> Windows Administrative Tools –> Hyper-V.

Reply

Vestage Gaming

June 28, 2020 at 6:48 PM

Hi,
Thanks for the .bat file.

I can't seem to find Hyper-V.
I've checked if it's enabled, I ran the .bat as Adminstrator and even checked in the start menu. Can you please tell me where it is located?

Ivan Herreño

June 24, 2020 at 3:20 AM

Thanks, but it don´t works for my Win 10 2004:
1. The featurename was changed from "Microsoft-Hyper-V" to "HypervisorPlatform" and "VirtualMachinePlatform", yep two features.

2. Once I enabled this two features and restart, I can view they are activated in the optionalfeatures, but I don't find the hyper-v manager or equivalet in administrative tools or searching in windows search bar.

I use es-mx win10 version, if someone has a win10 2004 in another idiom, please test and comment.

Omar

June 16, 2020 at 3:55 AM

Great work Usman, congratulations. I confess I was a little concerned about running a third party batch file, but it worked perfectly on my Windows 10 Home edition. However, I found that I have now another problem as Hyper-V is not working due to other(s) virtualization application(s) and I have to find them and discover how to disable them (the following message appers: "A hypervisor has been detected. Features required for Hyper-V will not be displayed").

Usman Khurshid

August 25, 2020 at 4:48 PM

The message you mentioned means that Hyper-V is enabled on your computer. It should work fine. Please try to open Hyper-V from Start Menu –> Administrative Tools.

aaadfsgergrg

June 8, 2020 at 9:03 PM

Great, but how i uninstall now?

Eliran

June 6, 2020 at 8:12 PM

Thank you very much! It worked. I would just add to others, that first you need

to close your Visual Studio if it is open. Otherwise that Bat file will run in an infinite loop.

Reply

Vignesh D

June 12, 2020 at 9:47 PM

Thank you soo much. Very Appropriate comment at the correct place. I was wondering what's happening in the script.

Reply

Rémi

August 22, 2020 at 8:05 AM

I don't have Visual Studio, yet the BAT file has been running in loop for 15 min now. What to do???

Reply

bik128

June 1, 2020 at 1:23 AM

Great tutorial.
Anyone know how to add users to Hyper-V Administrators group (to not need admin privileges) to run V-machines on Windows 10 Home then? (Since windows 10 have no typical group management console).

Reply

Usman Khurshid

June 2, 2020 at 12:32 PM

Hi bik128, you can use the following tutorial to add your user to Hyper-V administrators group:

https://www.itechtics.com/lusrmgr/

Reply

Enrico

May 23, 2020 at 5:12 AM

Hmm for some reason my PC now lags very badly.. I hope this changes after another restart.. how could this be?
Thanks for the guide anyways!

Reply

Usman Khurshid

May 23, 2020 at 11:26 AM

Hyper-V takes some resources for running smoothly. If you are low on resources, turning on Hyper-V will not be well advised.

Reply

cédric

May 22, 2020 at 1:14 PM

it's OK for me thanks for this tuto

Reply

Lip

May 14, 2020 at 2:09 PM

You deserve a pint of beer

Reply

Sparky

May 10, 2020 at 2:37 PM

I just wanted to know that will it affect my windows license???

Reply

Usman Khurshid

May 10, 2020 at 5:12 PM

No, it will not affect your Windows license in any way.

Reply

DivineRipper

April 26, 2020 at 11:10 PM

Hyper-v manager does not show in my search results but it is under Windows Administrative Tools in Start Menu.

Reply

Phu Do

October 22, 2020 at 10:42 PM

Thanks Usman Khurshid and DivineRipper,

I can't see Hyper-V in Search but in Windows Administrative Tools.

Mr.Jazz

April 25, 2020 at 9:21 AM

How do I uninstall completley without System Restore?

VMware is not working, so I need to completly remove this mod pleaze, need help!!

Usman Khurshid

April 25, 2020 at 1:02 PM

Please open the command prompt with administrative privileges and run the following command:

DISM /Online /Disable-Feature /All /FeatureName:Microsoft-Hyper-V

This will remove all the installed features related to Hyper-V from your computer.

Mr.Jazz

April 28, 2020 at 9:00 AM

When I do this I get this error

C:\windows\system32>DISM /Online /Disable-Feature /All /FeatureName:Microsoft-Hyper-V

Deployment Image Servicing and Management tool
Version: 10.0.18362.1

Image Version: 10.0.18363.815

Error: 87

The all option is not recognized in this context.
For more information, refer to the help.

The DISM log file can be found at C:\windows\Logs\DISM\dism.log

I just want to run VMware again

Usman Khurshid

April 28, 2020 at 2:34 PM

Please go to Run –> optionalfeatures. Uncheck everything related to
Hyper-V.

Reply

Mozgosup

April 29, 2020 at 8:15 PM

Remove /All from this command line – worked for me

Reply

Caralhos Que Ta Fodam

April 15, 2020 at 8:36 PM

You are a genious. You help me so much thank you

Reply

ayahhanul-dj

April 10, 2020 at 6:59 PM

Great share since I use wsl2 to run ubuntu on windows 10 home, vmmem require less resources of ram compared to non activated Hyper-V, it is only 10% required to run since activating it.

Thanks a lot for your work… :)

Napster

March 25, 2020 at 5:00 AM

Genial, funciona, aun no instalo ninguna maquina, pero si se instalo el Hyper-V

Busque en muchos lados la forma de instalar el Hyper en Windows 10 Home y no encontre solution por ningun lado.

Gracias por el dato.

Espero que cuando instale las Virtuales funcionen igual que en Windows 10 Enterprise

(Great, it works, I still didn't install any machine, but if I install the Hyper-V

I looked for many ways for installing Hyper in Windows 10 Home and I found no solution anywhere.

Thanks for the information.

I hope that when you install the Virtual machines they will work the same as in Windows 10 Enterprise)

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