Install Hyper-V on Windows 10

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In this article

Enable Hyper-V to create virtual machines on Windows 10.

Hyper-V can be enabled in many ways including using the Windows 10 control panel, PowerShell or using the Deployment Imaging Servicing and Management tool (DISM). This documents walks through each option.

> **Note:** Hyper-V is built into Windows as an optional feature -- there is no Hyper-V download.

Check Requirements

- Windows 10 Enterprise, Pro, or Education
- 64-bit Processor with Second Level Address Translation (SLAT).
- CPU support for VM Monitor Mode Extension (VT-c on Intel CPUs).
- Minimum of 4 GB memory.

The Hyper-V role **cannot** be installed on Windows 10 Home.

Upgrade from Windows 10 Home edition to Windows 10 Pro by opening up **Settings** > **Update and Security** > **Activation**.

For more information and troubleshooting, see [Windows 10 Hyper-V System Requirements](#).

Enable Hyper-V using PowerShell

1. Open a PowerShell console as Administrator.

2. Run the following command:

PowerShell	⎘ Copy

```PowerShell
Enable-WindowsOptionalFeature -Online -FeatureName Microsoft-Hyper-V -All
```

If the command couldn't be found, make sure you're running PowerShell as Administrator.

When the installation has completed, reboot.

Enable Hyper-V with CMD and DISM

The Deployment Image Servicing and Management tool (DISM) helps configure Windows and Windows images. Among its many applications, DISM can enable Windows features while the operating system is running.
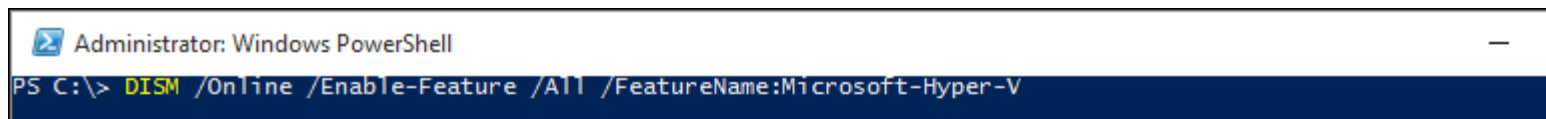
To enable the Hyper-V role using DISM:

1. Open up a PowerShell or CMD session as Administrator.

2. Type the following command:

PowerShell	⎘ Copy

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

```
Deployment Image Servicing and Management tool
Version: 10.0.10240.16384

Image Version: 10.0.10240.16384

Enabling feature(s)
[========================100.0%========================]
The operation completed successfully.
Restart Windows to complete this operation.
Do you want to restart the computer now? (Y/N) _
```
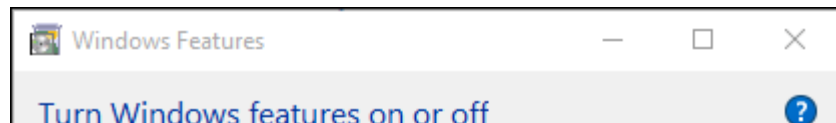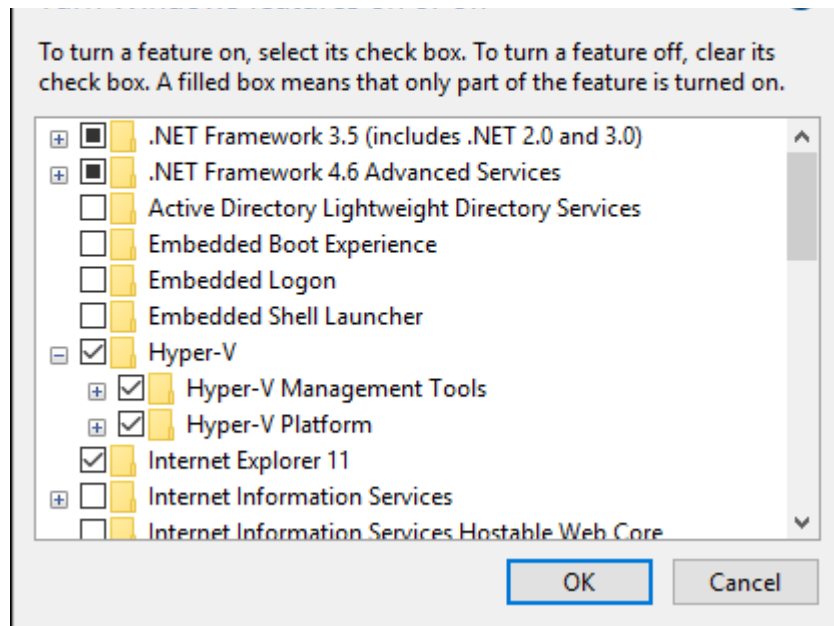
For more information about DISM, see the DISM Technical Reference.

Enable the Hyper-V role through Settings

1. Right click on the Windows button and select 'Apps and Features'.

2. Select **Programs and Features** on the right under related settings.

3. Select **Turn Windows Features on or off**.

4. Select **Hyper-V** and click **OK**.

Windows Features   —   □   ✕

Turn Windows features on or off   ?

When the installation has completed you are prompted to restart your computer.

Make virtual machines

[Create your first virtual machine](#)