

How To Setup a Virtual Machine

Prerequisites

- Local Admin Rights to execute Setups
- VMWare Solution Software
- Windows Server Image

Use following Links to download the VMware Workstation Player and the desired Windows Server Version.

<https://www.vmware.com/go/getplayer-win>

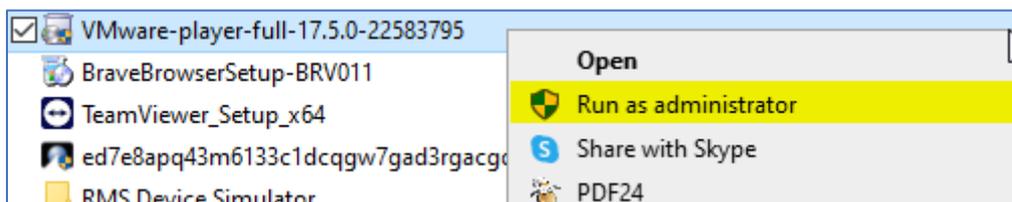
[Windows Server 2022 | Microsoft Evaluation Center](#)

[Windows Server 2019 | Microsoft Evaluation Center](#)

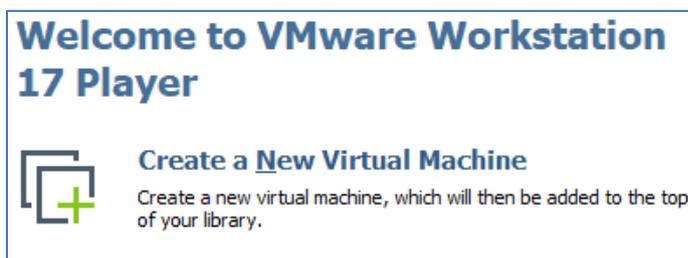
[Windows Server 2016 | Microsoft Evaluation Center](#)

Installing VMware Workstation Player

Install VMware Workstation Player via Administrator



Creating a Virtual Machine



Select the Option to Create a New Virtual Machine

I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Guest operating system

Microsoft Windows
 Linux
 Other

Version

Windows Server 2019

Virtual machine name:
Windows Server 2019

Location:
C:\Users\ [redacted] Browse...

- Create a Virtual Machine Sleeve by choosing installing without Operating System
- Choose the planned OS and Version
- Name your Virtual Machine and set the Installation path

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB): 60.0

Recommended size for Windows Server 2019: 60 GB

Store virtual disk as a single file
 Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

New Virtual Machine Wizard

Ready to Create Virtual Machine
Click Finish to create the virtual machine and start installing Windows Server 2019 and then VMware Tools.

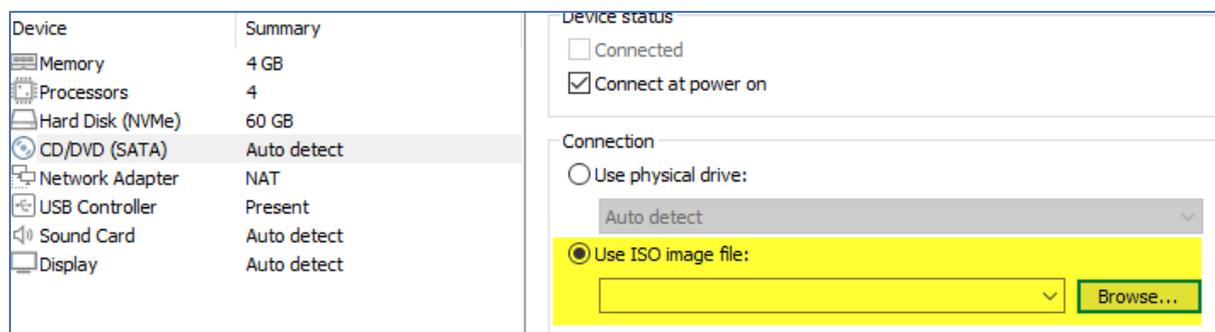
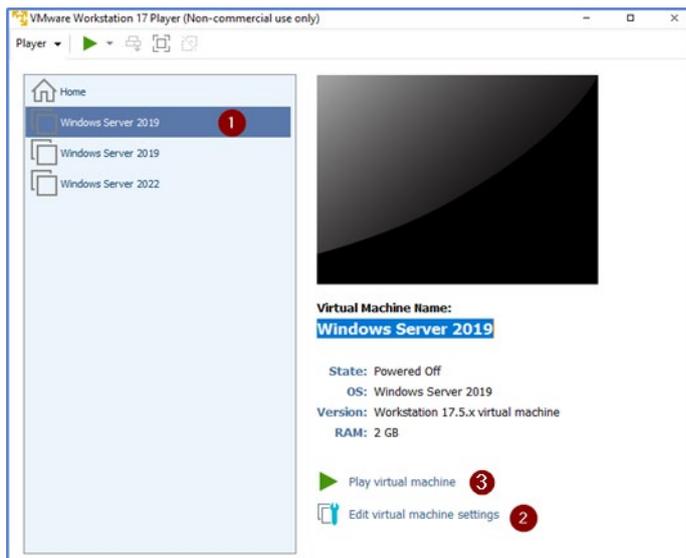
The virtual machine will be created with the following settings:

Name:	Windows Server 2019 Test
Location:	C:\Users\ [redacted]
Version:	Workstation 17.5.x
Operating System:	Windows Server 2019
Hard Disk:	60 GB, Split
Memory:	2048 MB
Network Adapter:	NAT
Other Devices:	2 CPU cores, CD/DVD, USB Controller, Sound Card

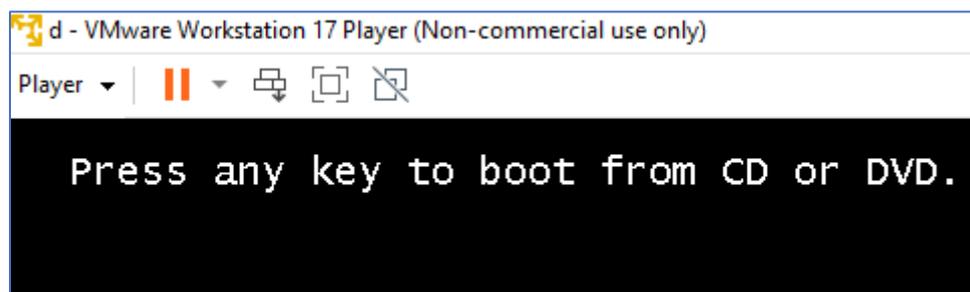
Power on this virtual machine after creation

< Back Finish Cancel

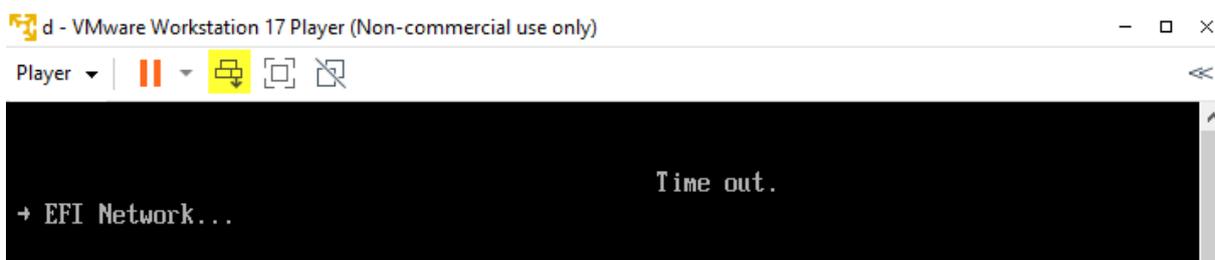
- Set the Size of the Disk – 60GB is plenty enough
- Customize Hardware – Raise RAM to 4GB and Processor to 4 Core
- Finish the Wizard



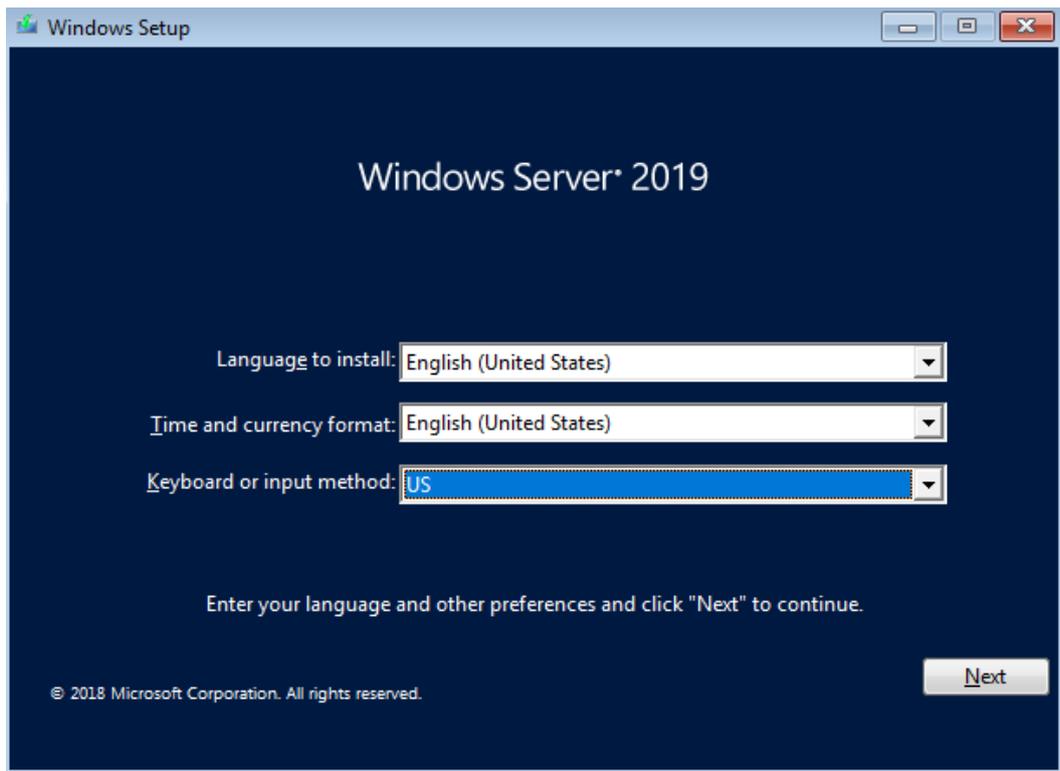
1. Select the newly-created VM Sleeve
2. Edit virtual machine settings
Browse the downloaded ISO File
3. Start the Virtual Machine



After Starting up the VM, immediately click into the Window and keep hitting a button to boot from the virtual CD Drive.



Should you miss the Opportunity press the highlighted button and try again.



Choose the Language, Time zone and Keyboard Layout and finalize the Setup

Select the operating system you want to install

Operating system	Architecture	Date modified
Windows Server 2019 Standard Evaluation	x64	11/5/2022
Windows Server 2019 Standard Evaluation (Desktop Experien...	x64	11/5/2022
Windows Server 2019 Datacenter Evaluation	x64	11/5/2022
Windows Server 2019 Datacenter Evaluation (Desktop Experi...	x64	11/5/2022

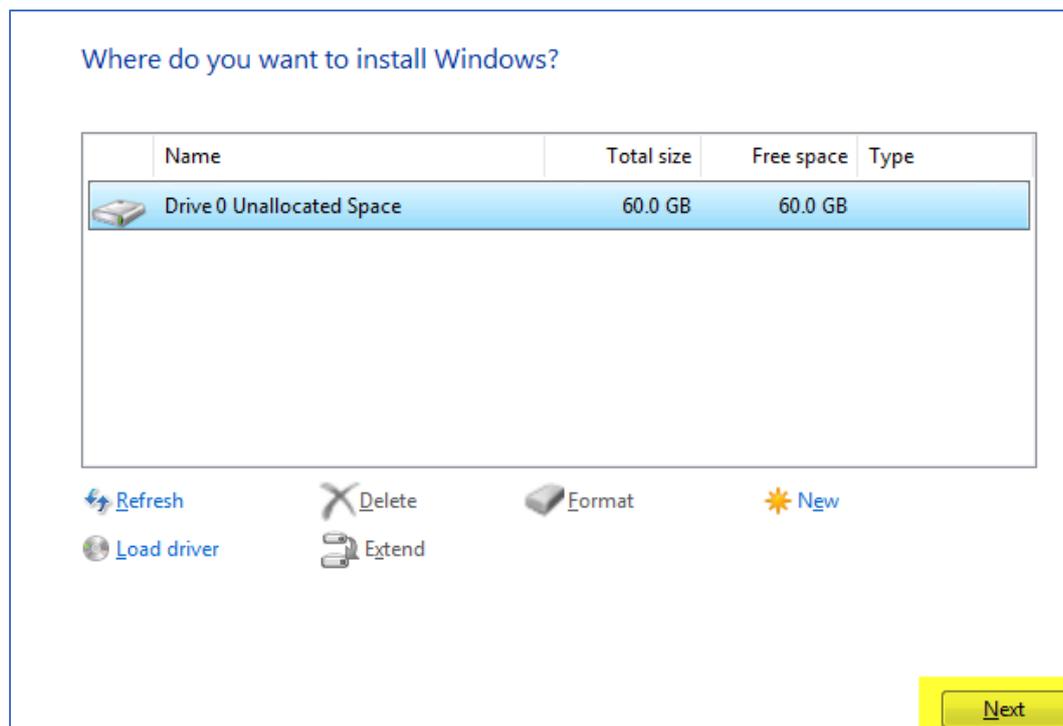
Choose Standard Evaluation Desktop and accept the licensing Terms.

Which type of installation do you want?

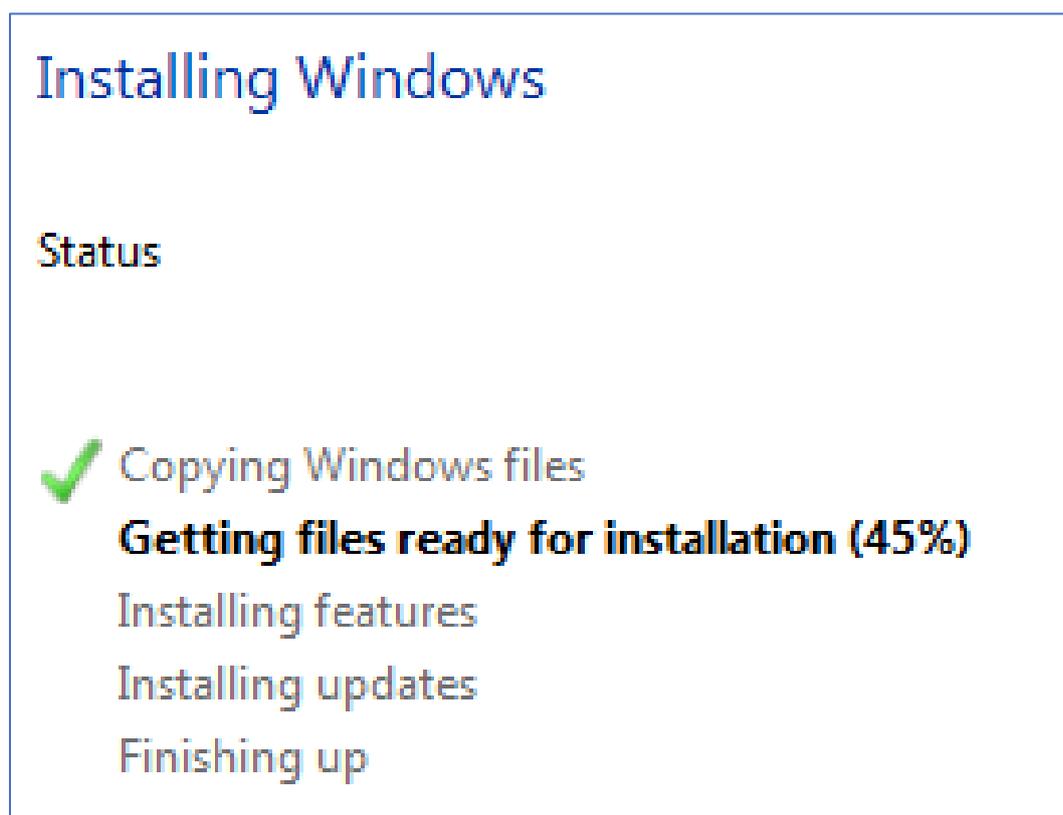
Upgrade: Install Windows and keep files, settings, and applications
 The files, settings, and applications are moved to Windows with this option. This option is only available when a supported version of Windows is already running on the computer.

Custom: Install Windows only (advanced)
 The files, settings, and applications aren't moved to Windows with this option. If you want to make changes to partitions and drives, start the computer using the installation disc. We recommend backing up your files before you continue.

Choose Custom Install Option



Select the drive you want Windows to be installed on.

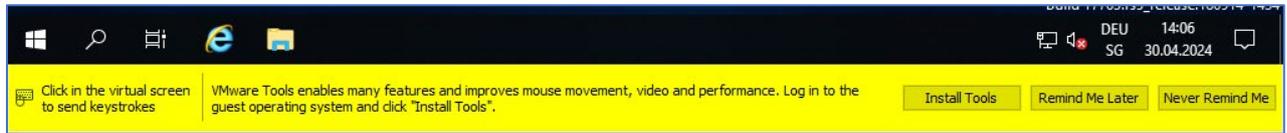


Windows Server is now installing and can take a while depending on your Host machine.

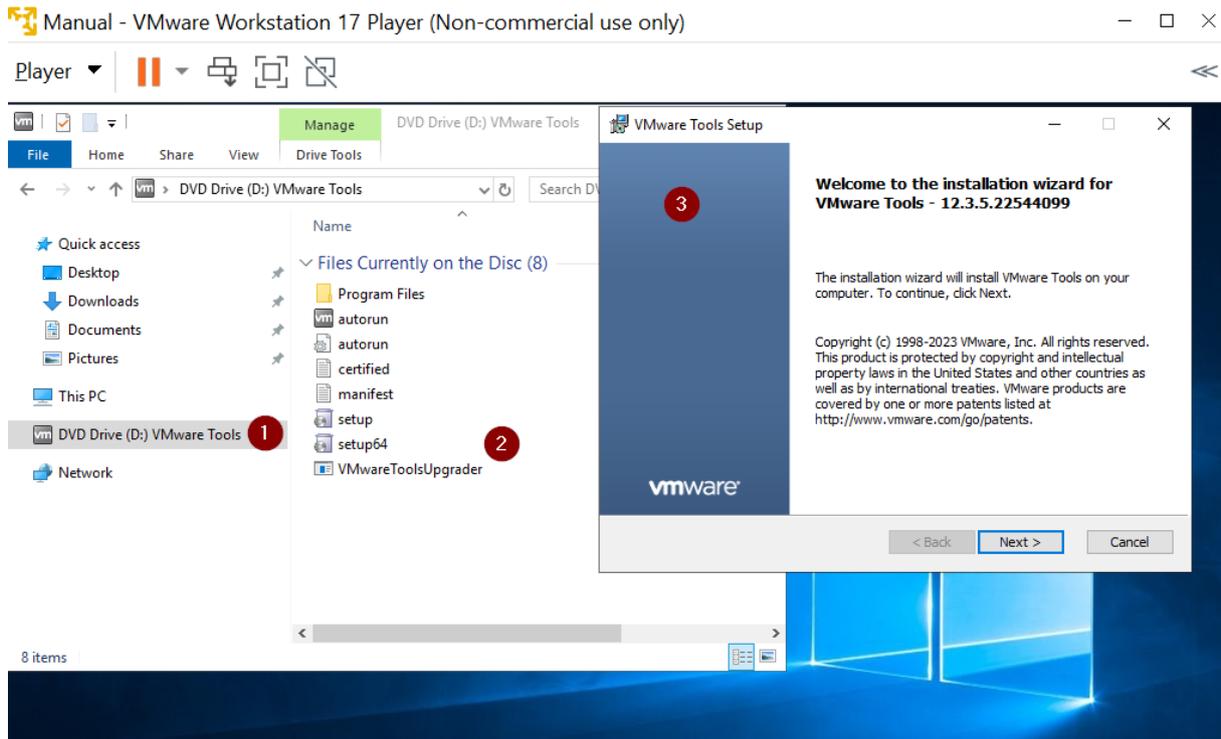
After Installation is completed, you're greeted with a blue Login Screen where you can set an Admin Password. Now you have successfully set up a VM.

Useful Tips

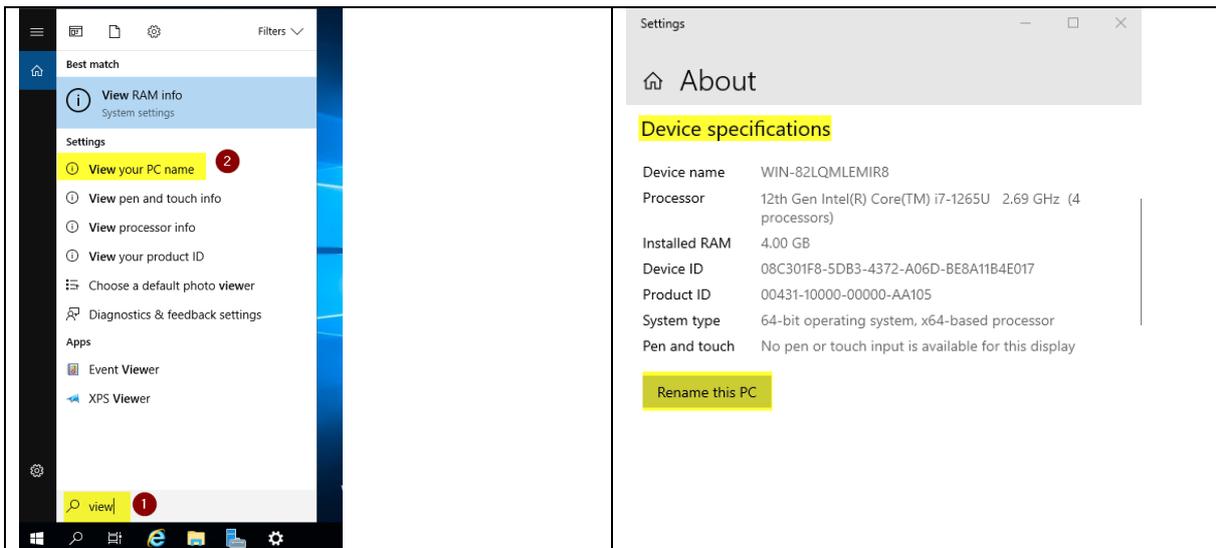
Installing VMware Workstation Player Tools



Choose "Install Tools" and after a few seconds a new virtual CD-ROM Drive should pop up.



Select the Complete Option, the VMware Tools are installed after a reboot of the Machine.



By Renaming the VM, you can easily differentiate VM's in case you want to build a Virtual Network or a testing Environment.