

Download and Install VirtualBox

To run Windows on a Mac, you need to use virtualization software such as VirtualBox. While there are other options available (such as Parallels and VMware Fusion), VirtualBox is free. And while Bootcamp is also a free option, it doesn't let you run macOS and Windows simultaneously (you have to reboot the machine every time you want to switch to the other operating system). So with VirtualBox you get the best of both worlds — it's free, and it allows you to run both Windows and macOS simultaneously so you can switch between them as required without having to reboot.

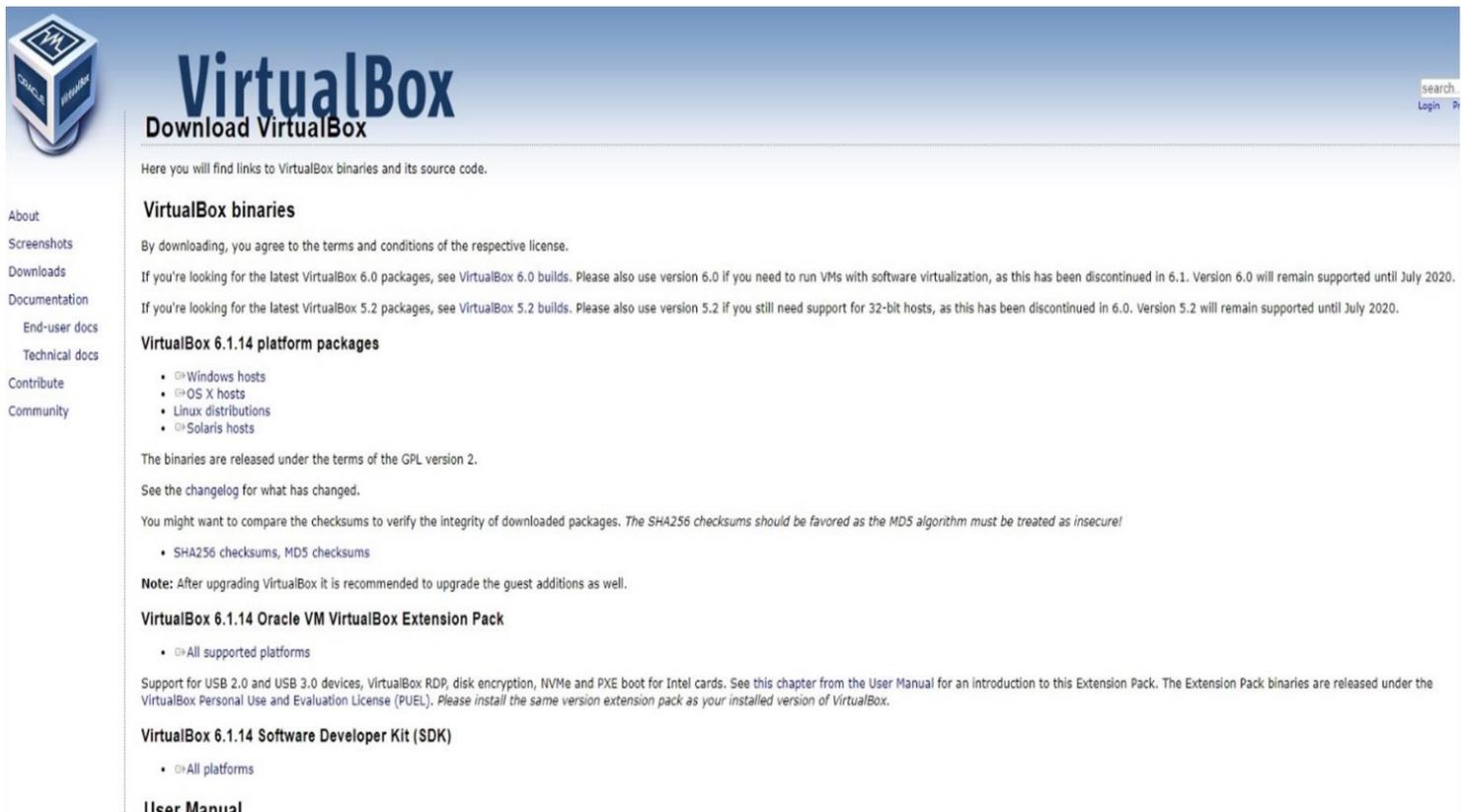
Before you start you will need to download VirtualBox and a Windows 10 VM provided by Microsoft and create a share folder on your desktop.

Create a new folder on your desktop give it a name you will find useful for the purpose of this tutorial it will be called vm share. This folder will be covered later on in the tutorial.

After you have created the folder move on to the next steps.

1. download VirtualBox from the following link [VirtualBox download page](#) and select OS X hosts2.

2. Download the Windows 10 from the following link <https://developer.microsoft.com/en-us/microsoft-edge/tools/vms/>. From the drop down lists under **Virtual Machines** select **MSEdge on Win10 (x64) Stable 1809** under **Choose a VMplatform** select **VirtualBox**



The screenshot shows the 'Download VirtualBox' page. On the left is a navigation menu with links: About, Screenshots, Downloads, Documentation, End-user docs, Technical docs, Contribute, and Community. The main content area features the VirtualBox logo and a search bar. Below the logo, it states: 'Here you will find links to VirtualBox binaries and its source code.' The 'VirtualBox binaries' section includes a license agreement and links to the latest 6.0 and 5.2 packages. The 'VirtualBox 6.1.14 platform packages' section lists links for Windows, OS X, Linux, and Solaris hosts. A note mentions upgrading guest additions. The 'VirtualBox 6.1.14 Oracle VM VirtualBox Extension Pack' section lists a link for all supported platforms. The 'VirtualBox 6.1.14 Software Developer Kit (SDK)' section lists a link for all platforms. At the bottom, there is a link to the 'User Manual'.

VirtualBox
Download VirtualBox

Here you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

If you're looking for the latest VirtualBox 6.0 packages, see [VirtualBox 6.0 builds](#). Please also use version 6.0 if you need to run VMs with software virtualization, as this has been discontinued in 6.1. Version 6.0 will remain supported until July 2020.

If you're looking for the latest VirtualBox 5.2 packages, see [VirtualBox 5.2 builds](#). Please also use version 5.2 if you still need support for 32-bit hosts, as this has been discontinued in 6.0. Version 5.2 will remain supported until July 2020.

VirtualBox 6.1.14 platform packages

- ↳ [Windows hosts](#)
- ↳ [OS X hosts](#)
- ↳ [Linux distributions](#)
- ↳ [Solaris hosts](#)

The binaries are released under the terms of the GPL version 2.

See the [changelog](#) for what has changed.

You might want to compare the checksums to verify the integrity of downloaded packages. *The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!*

- ↳ [SHA256 checksums, MD5 checksums](#)

Note: After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

VirtualBox 6.1.14 Oracle VM VirtualBox Extension Pack

- ↳ [All supported platforms](#)

Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP, disk encryption, NVMe and PXE boot for Intel cards. See this chapter from the User Manual for an introduction to this Extension Pack. The Extension Pack binaries are released under the VirtualBox Personal Use and Evaluation License (PUEL). *Please install the same version extension pack as your installed version of VirtualBox.*

VirtualBox 6.1.14 Software Developer Kit (SDK)

- ↳ [All platforms](#)

User Manual

Virtual Machines

Test IE11 and Microsoft Edge Legacy using free Windows 10 virtual machines you download and manage locally

Select a download

Virtual Machines

MSEdge on Win10 (x64) Stable 1809 ▾

Choose a VM platform:

VirtualBox ▾

Download zip >

🕒 Before installing, please note:

These virtual machines **expire after 90 days**. We recommend setting a snapshot when you first install the virtual machine which you can roll back to later. Mac users will need to use a tool that supports zip64, like [The Unarchiver](#), to unzip the files. The password to your VM is "Passw0rd!"

Install VirtualBox

Double-click the `VirtualBox.pkg` icon to install VirtualBox. This will enable you to run VirtualBox from your Applications folder.

1 Double click on this icon:

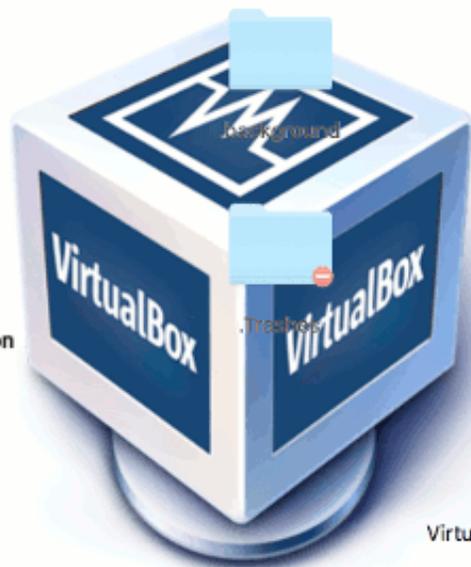


VirtualBox.pkg

2 Run the VirtualBox application from the Applications Folder:



Applications



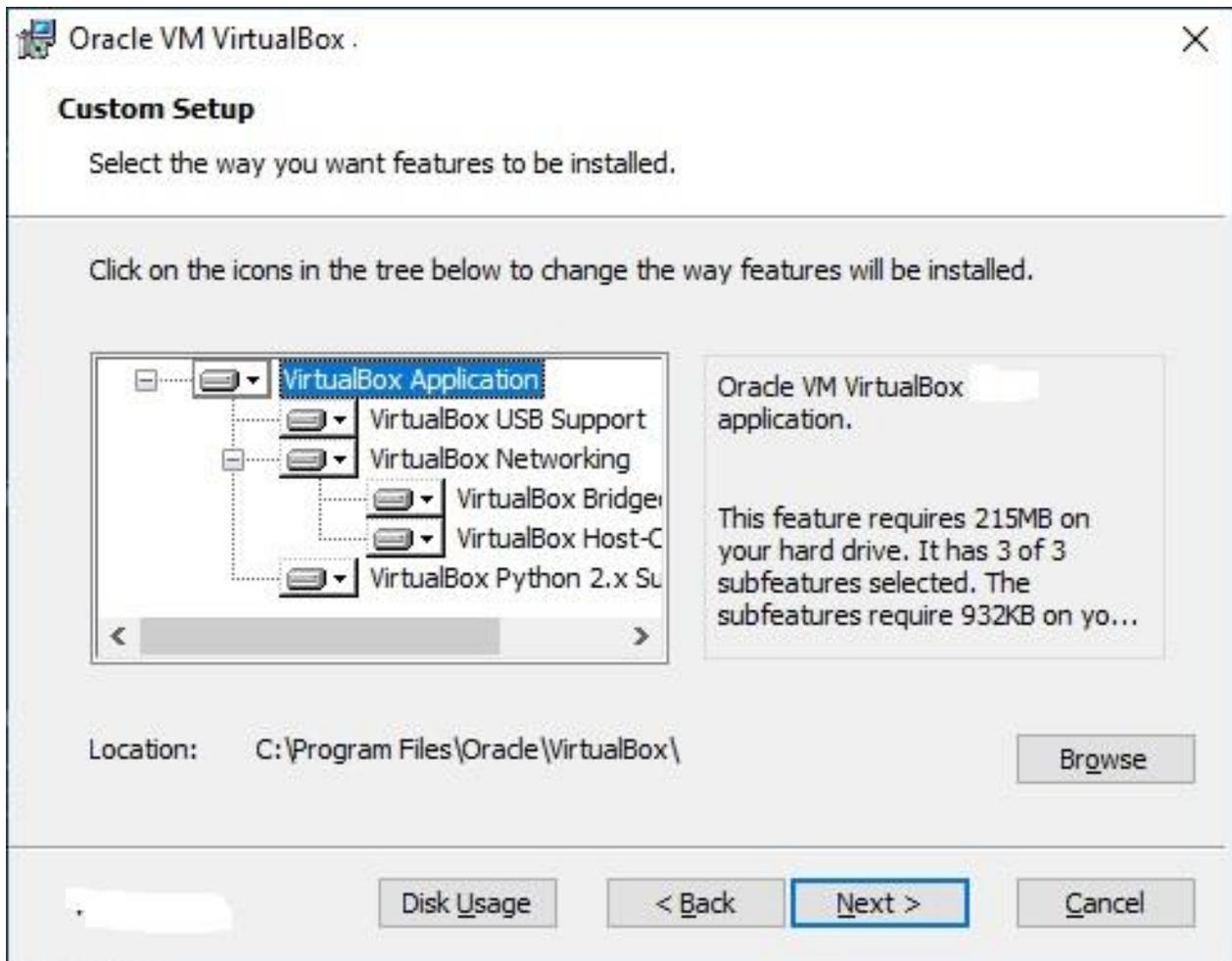
UserManual.pdf



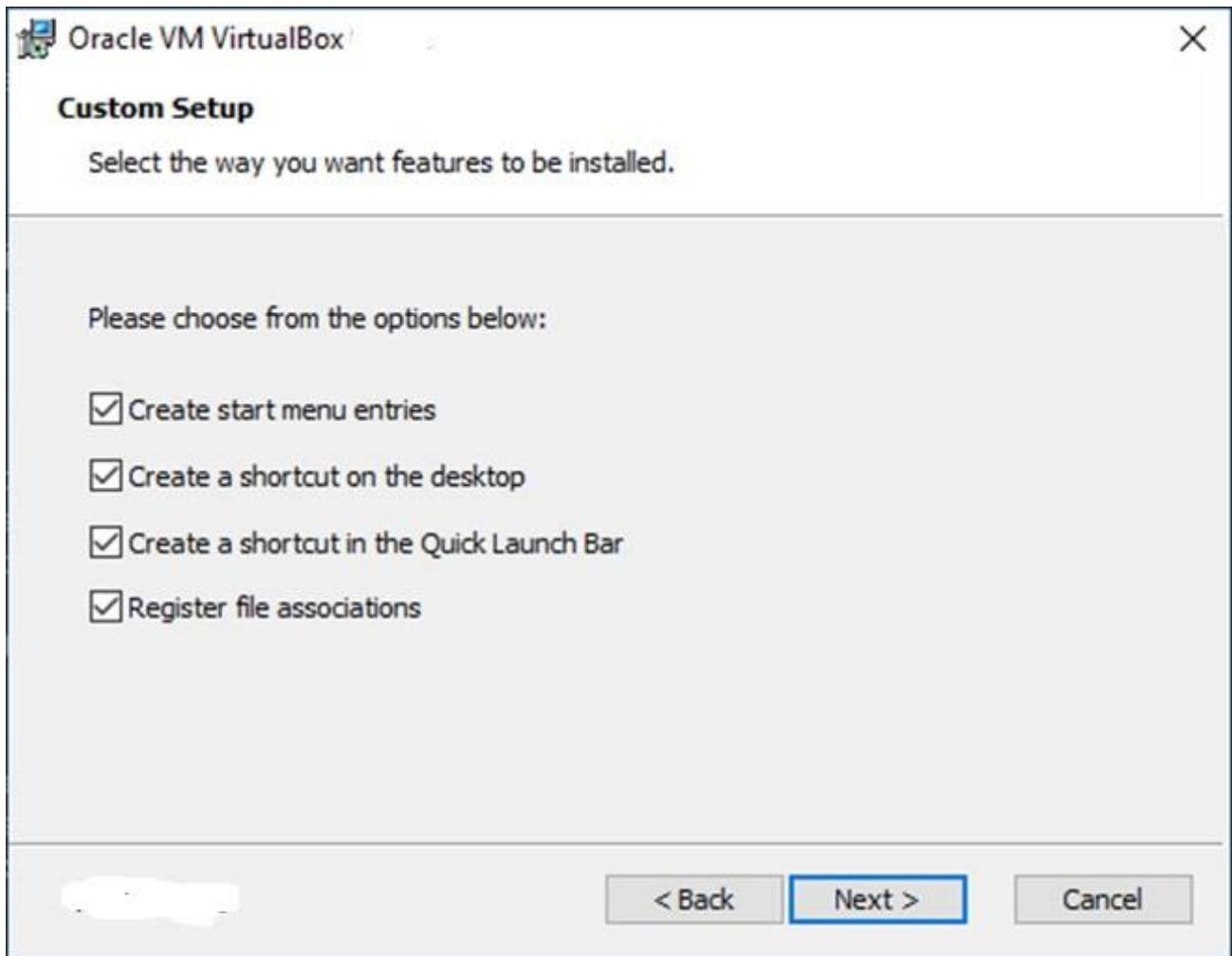
VirtualBox_Uninstall.tool



Click Next



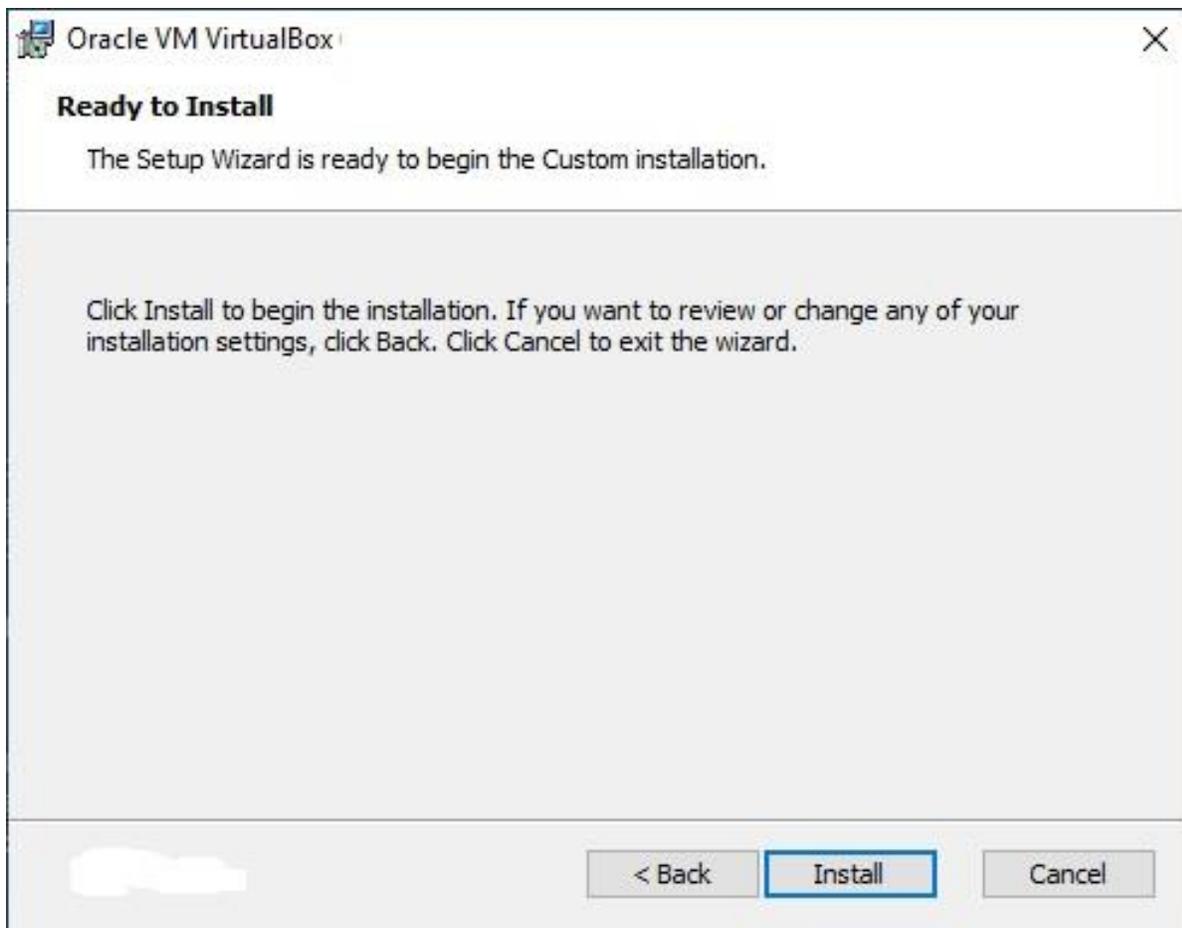
Keep all default settings and click **Next**



Deselect shortcuts if you desire, keep Register file associations selected and click **Next**



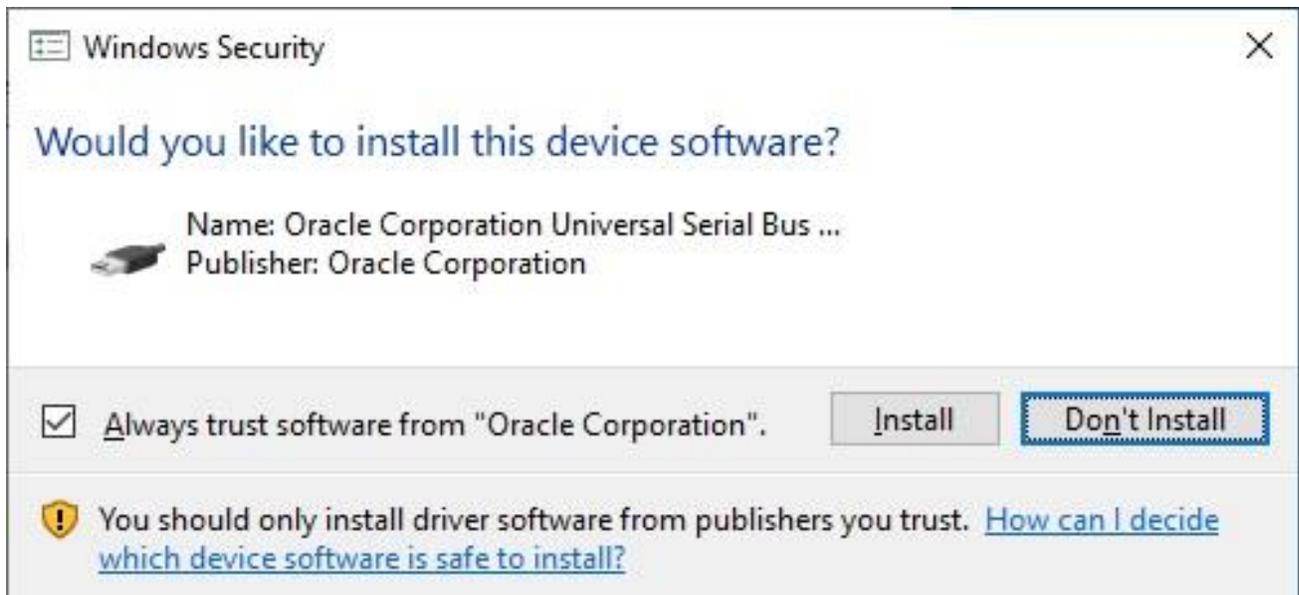
Click **Yes**



Click **Install**

Accept any UAC prompts by clicking **Yes**

Wait while the software installs



At the Windows Security prompt, ensure **Always trust software from "Oracle Corporation"** is selected and click **Install**



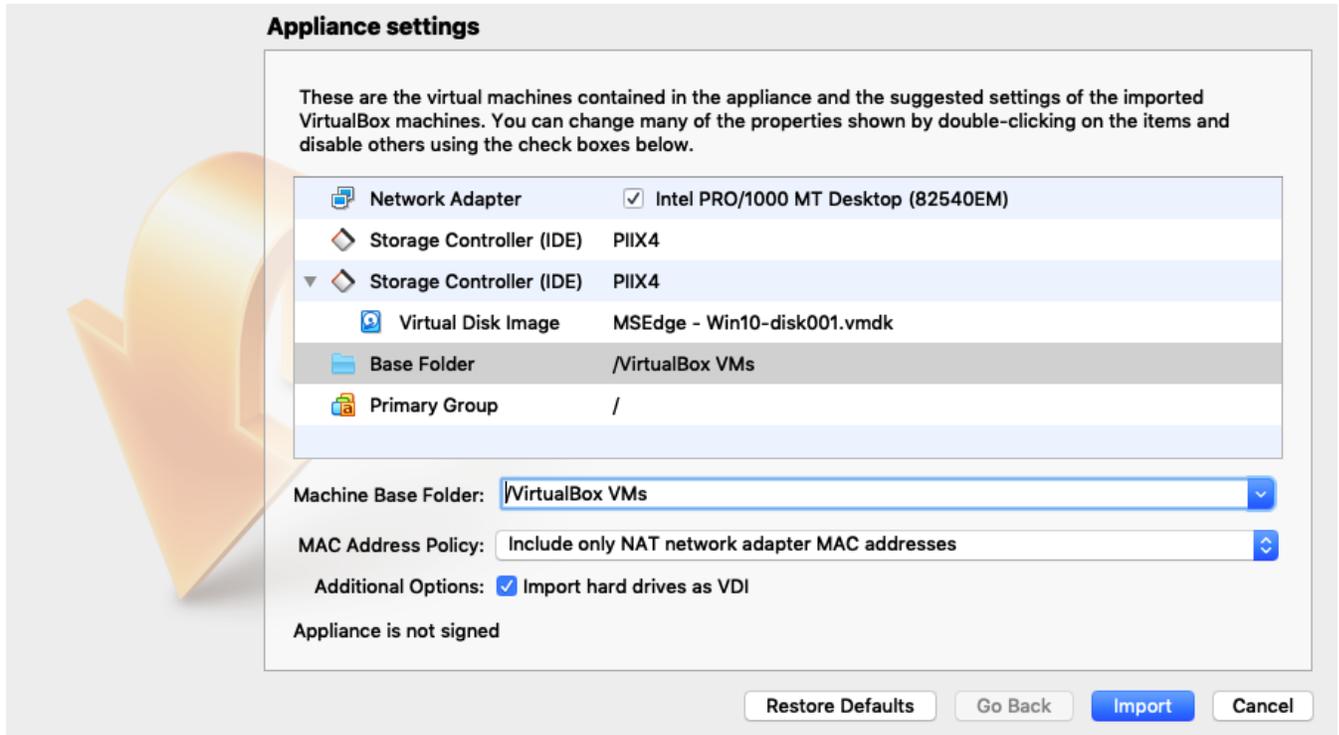
Deselect **Start Oracle VM VirtualBox after installation** and click **Finish**

Setting up a VM

Go to the location of the ***MSEdge.Win10.VirtualBox.zip*** you downloaded earlier and unzip the file. Within the zip file there is a VM named ***MSEdge - Win10.ova***

Double click the **.ova** file

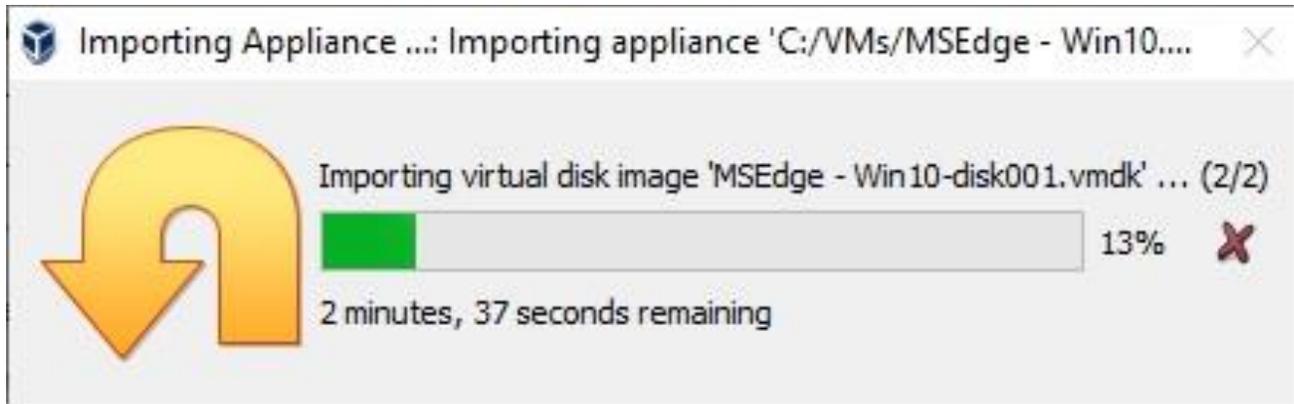
VirtualBox will open at the **Appliance settings** wizard



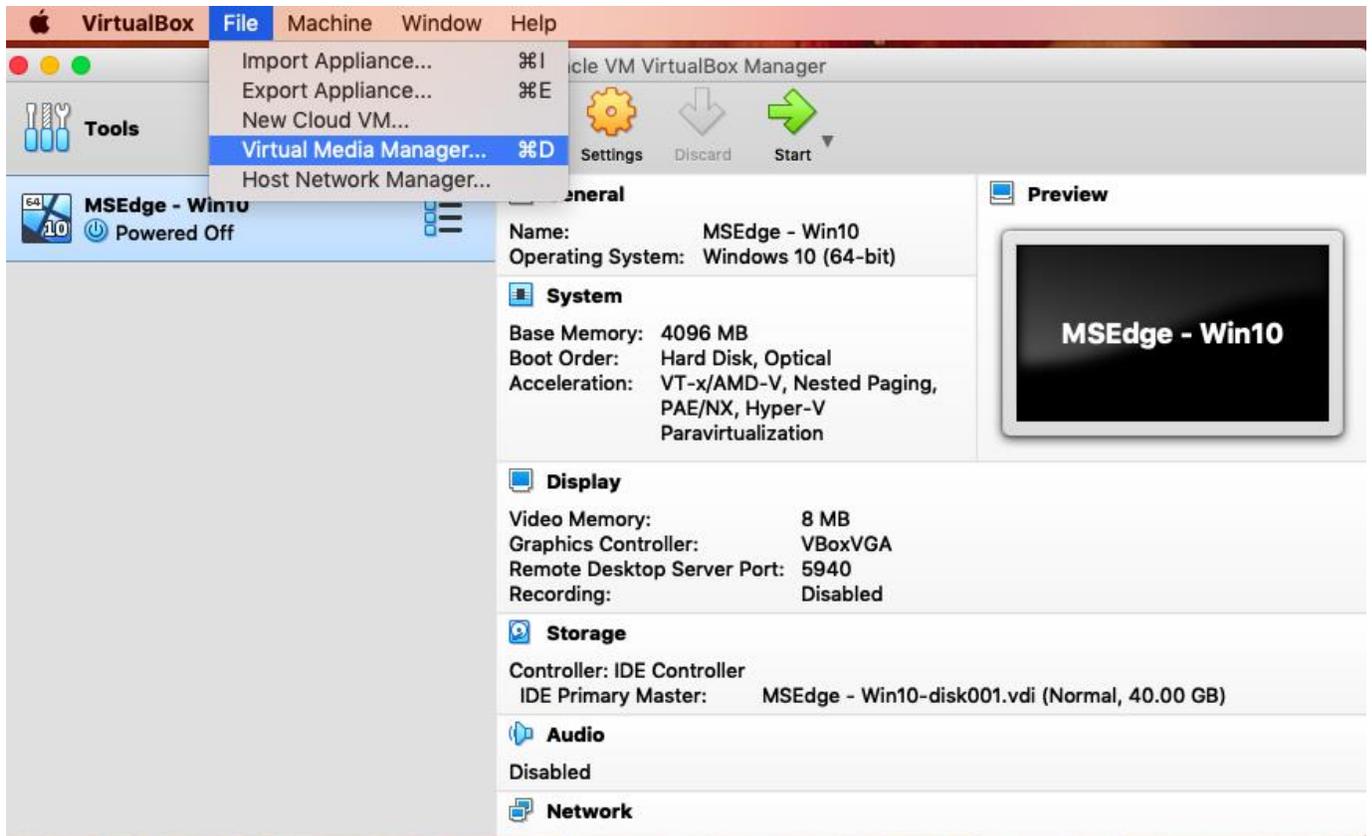
There are some settings that need to be changed before you proceed.

- Name: **You can leave the name default or change it to whatever you like**
- CPU: **2**
- RAM: **4096 MB**
- BaseFolder: **\\VirtualBoxVMs**
- Machine Base Folder: **\\VirtualBox VMs**

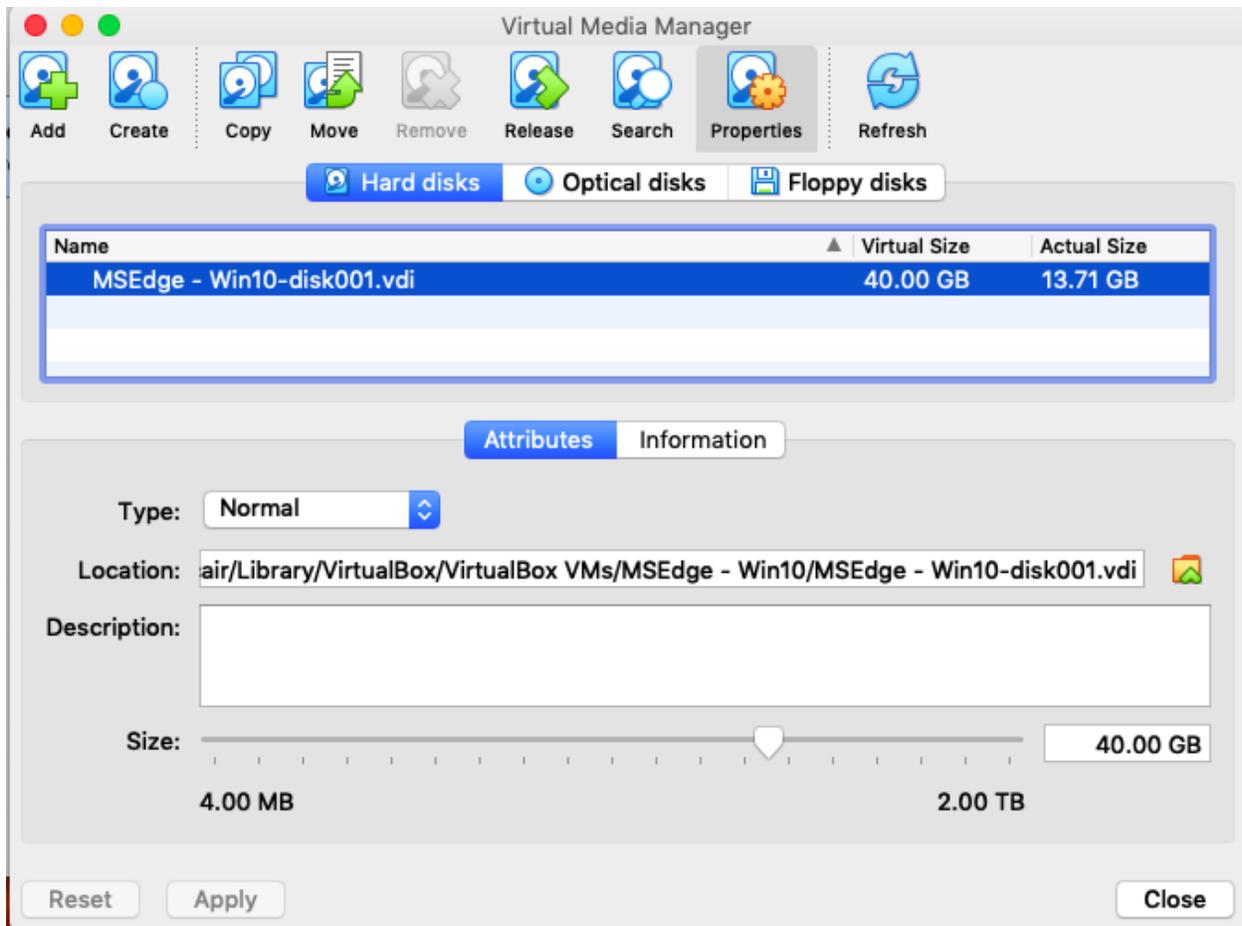
Click **Import**



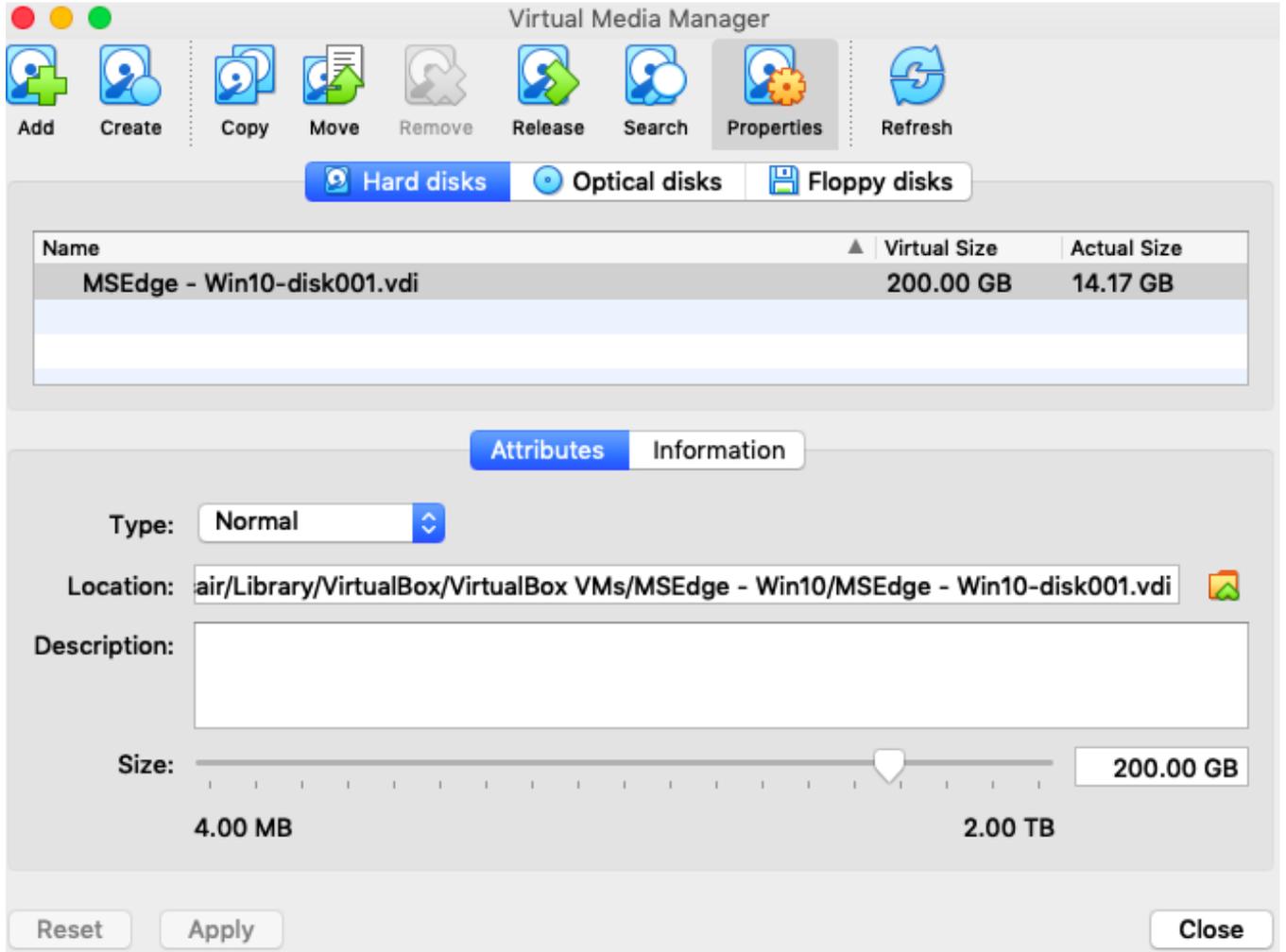
Wait while the appliance is imported - it will be imported to the Base folder location specified above



Click **File** and select **Virtual Media Manager**



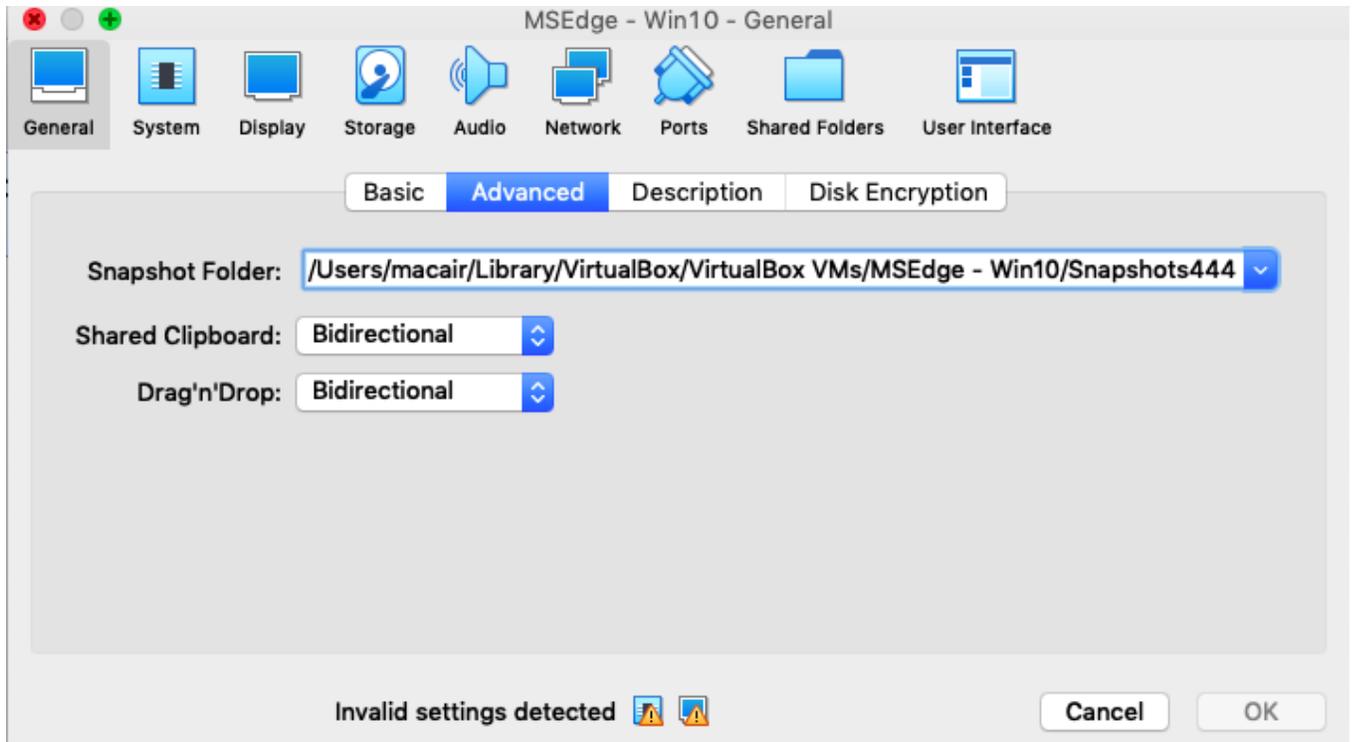
The **Virtual Media Manager** will open
Double click the .vdi file
listed



Adjust the slider (or type in the amount in the box on the right- hand side) so that you have the size of disk you require set it to 200GB
Click **Apply** and then **Close**



Click **Settings**



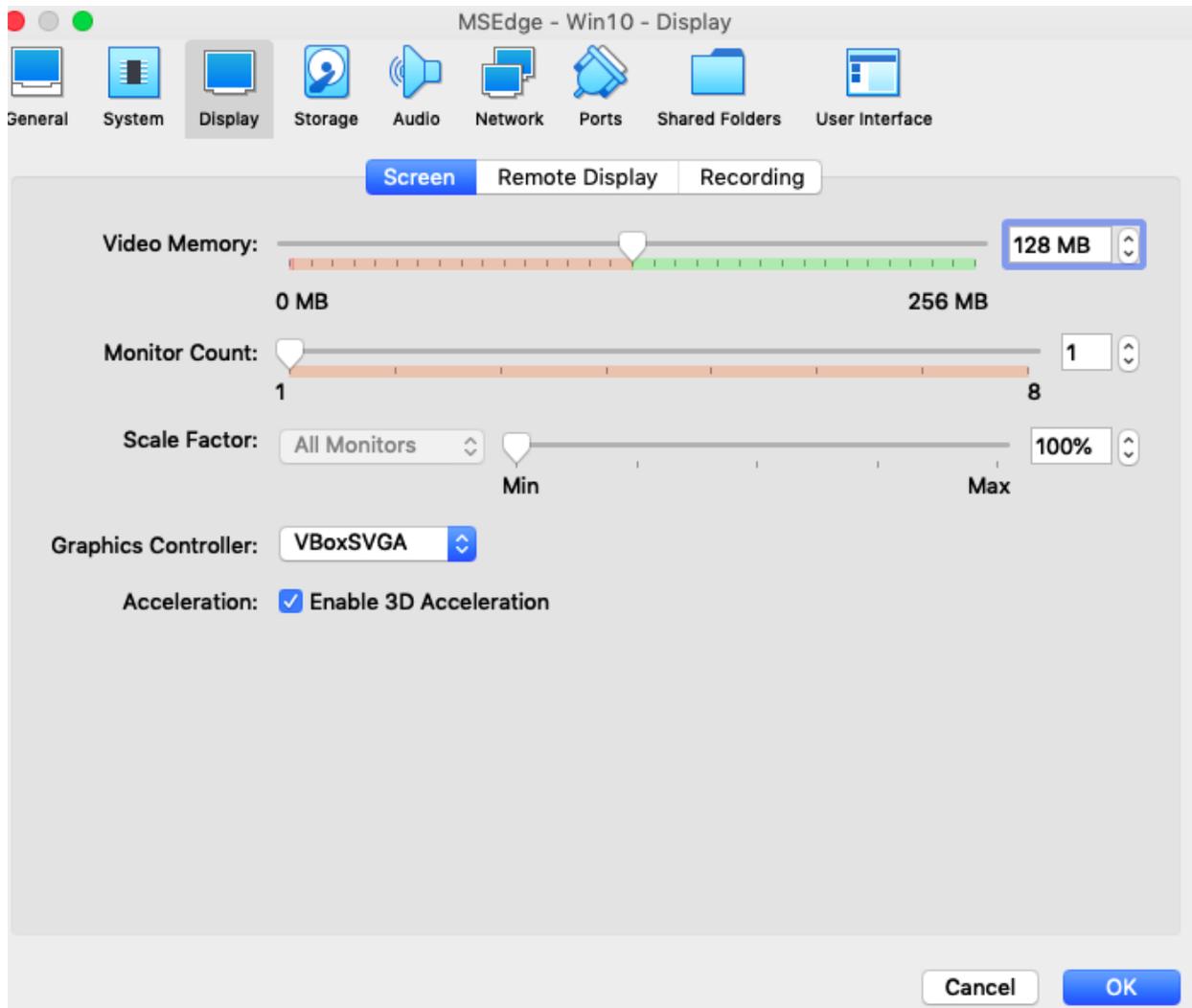
In the General menu, select the **Advanced** tab

Shared Clipboard:

Change to *Bidirectional* (this allows you to copy and paste between the host machine and the VM)

Drag'n'Drop:

Change to *Bidirectional* (this allows you to drag and drop folders to this VM from the host machine)



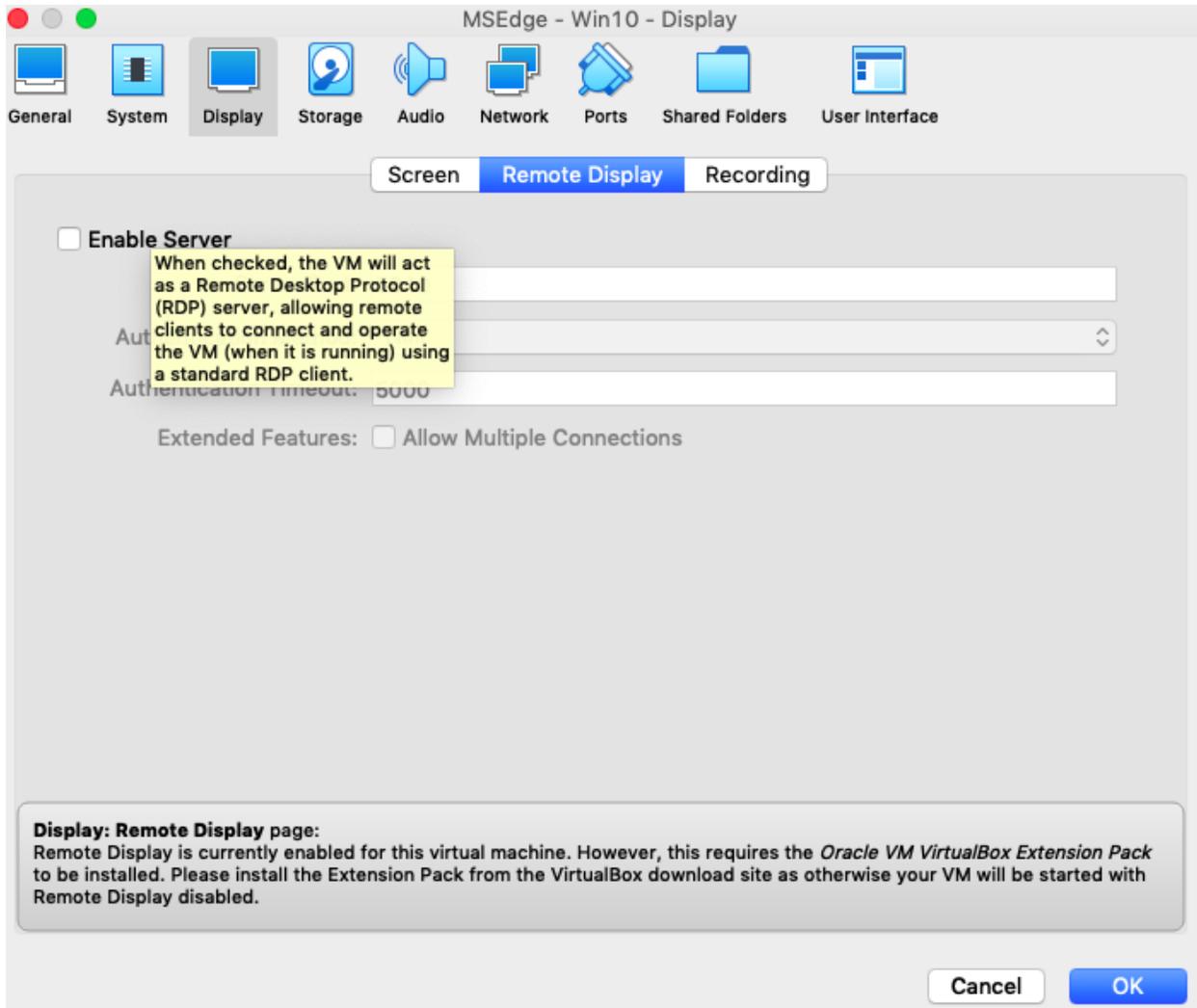
Select **Display** from the menu and change the following settings:

Acceleration -enabled 3D Acceleration

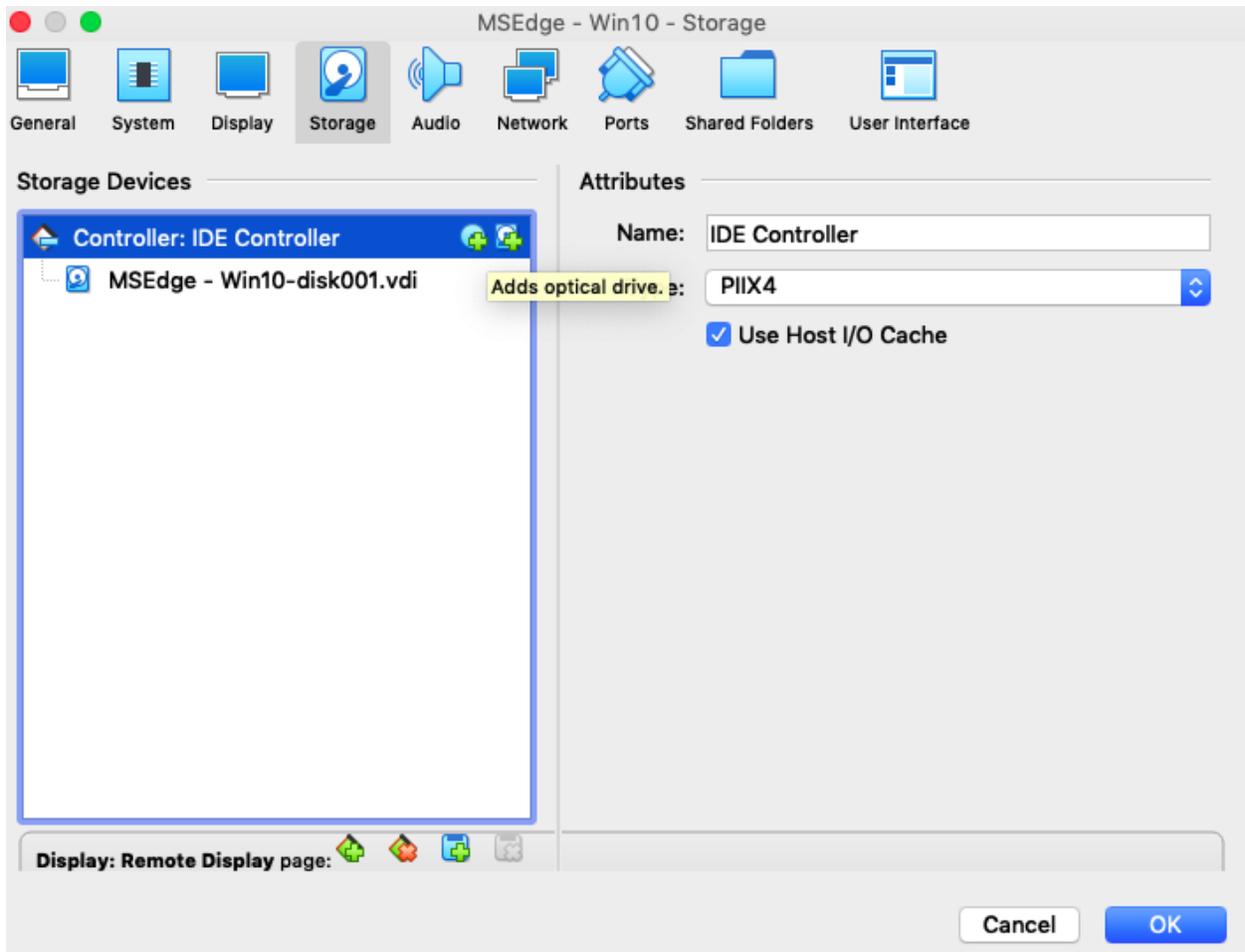
Graphics Controller -Change to VBoxSVGA (if not changed you will get invalid settings detected)

Video Memory - set this to maximum (256 MB)

Note: Set **3D Acceleration** first then increase the **Video Memory** to max



Select
the **Remote Display** tab
Deselect **Enable Server** (if not deselected you will get invalid
settings detected)

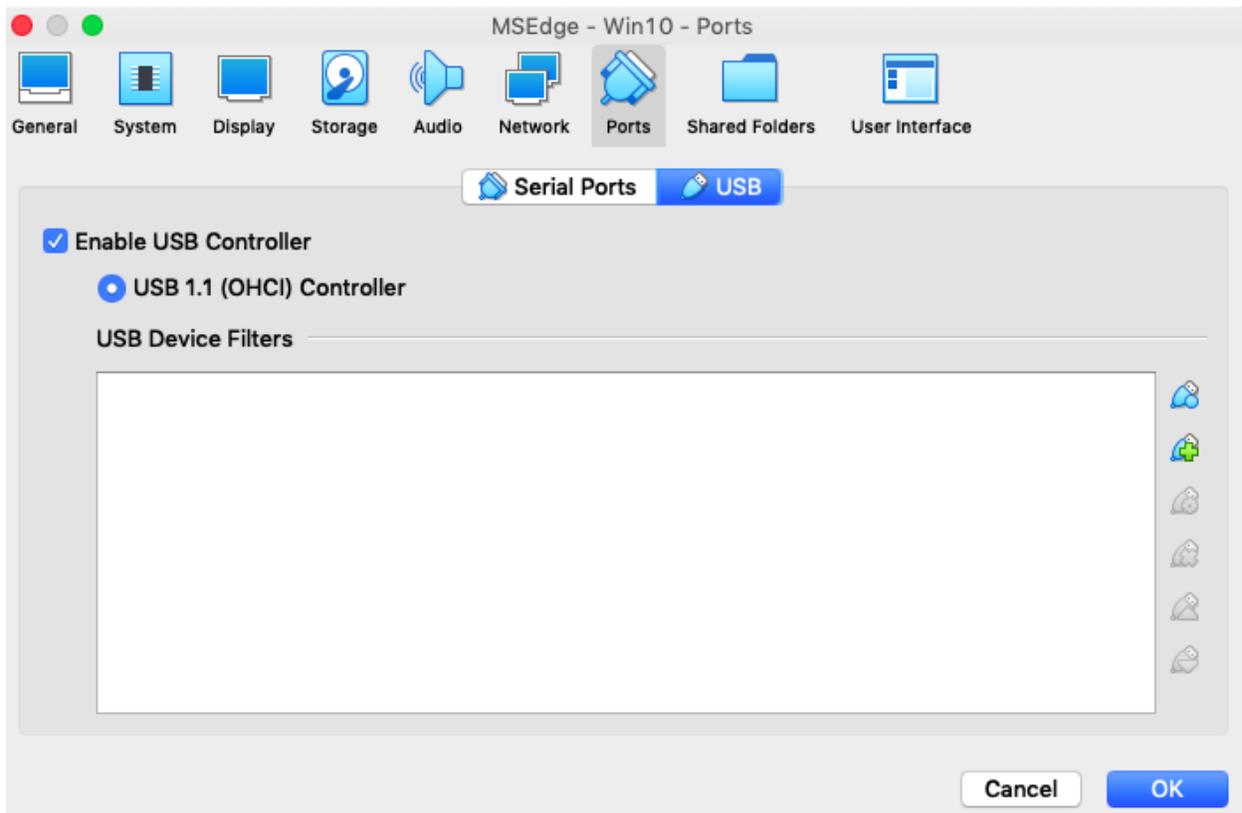


Select **Storage** from the menu

Click the first + icon next to

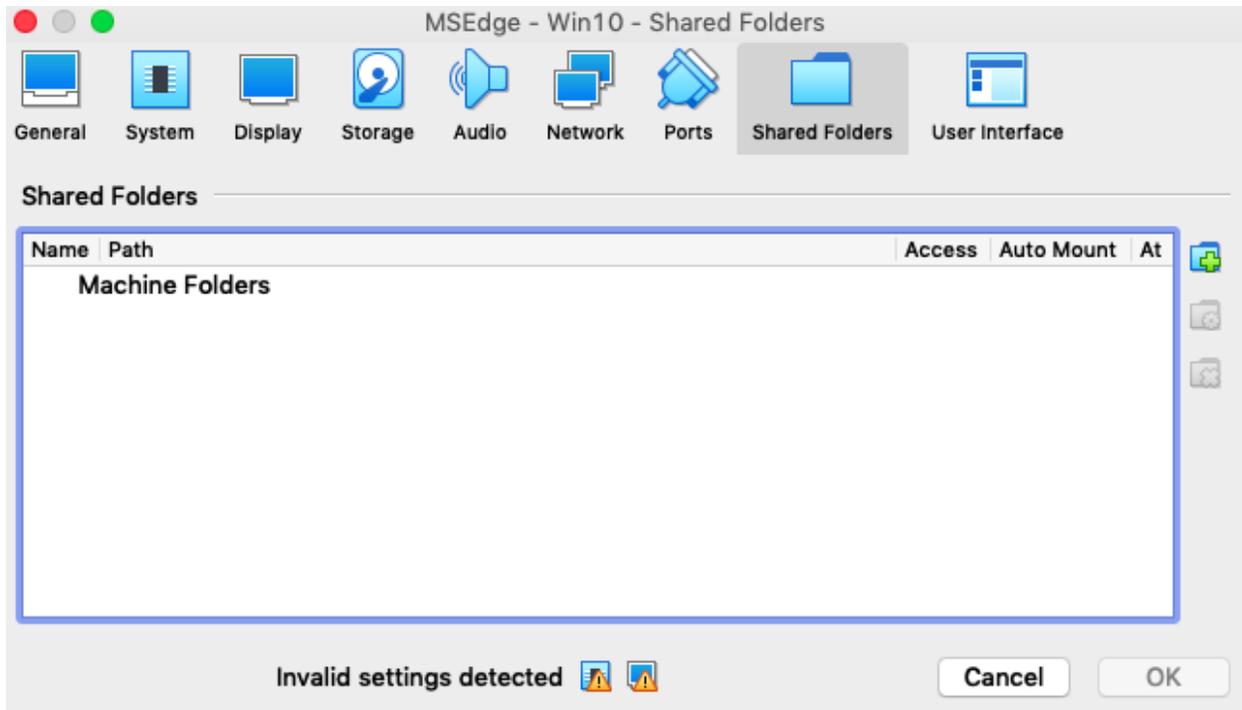
Controller: IDE Controller - this will add an optical drive to the VM, when asked select **Leave empty**

Note: this is important as otherwise you will not be able to add the Guest Additions later!



Select **Ports** from the menu
Enable the **USB Controller**

Note: this will allow you to
plugin USB devices and for
them to be picked up by the
VM – it is usually best to
just set this to USB 1.1

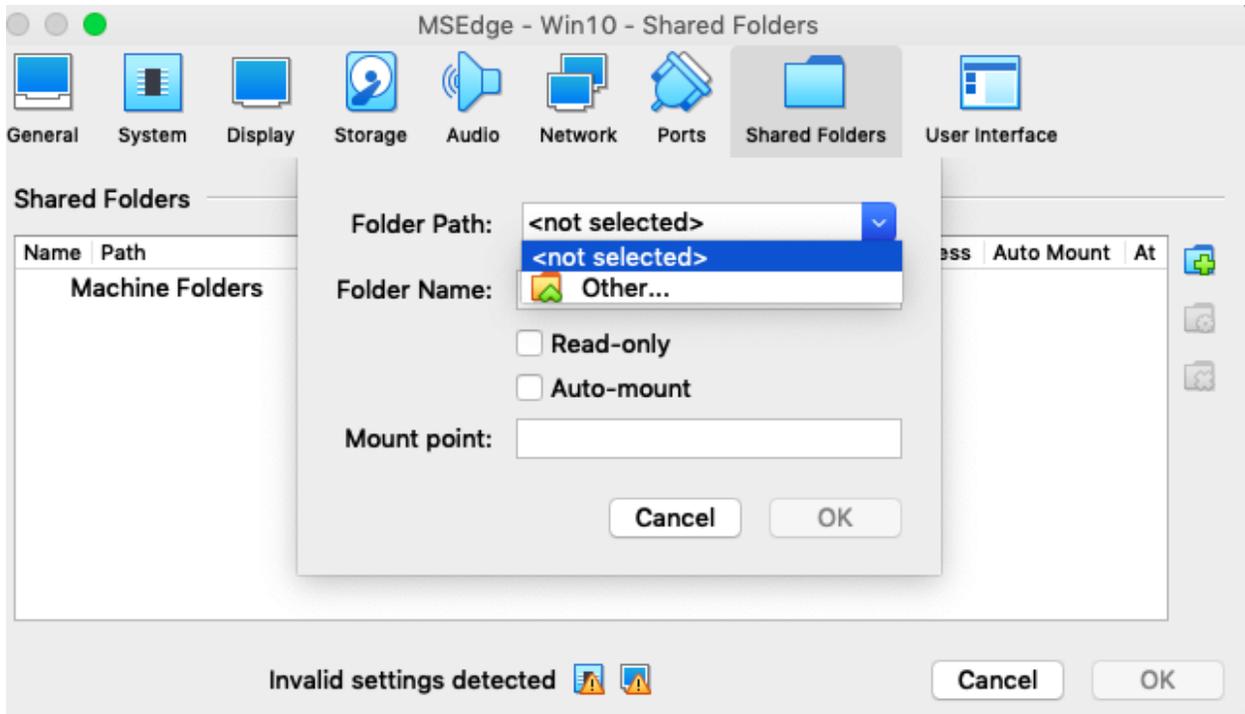


Select **Shared**

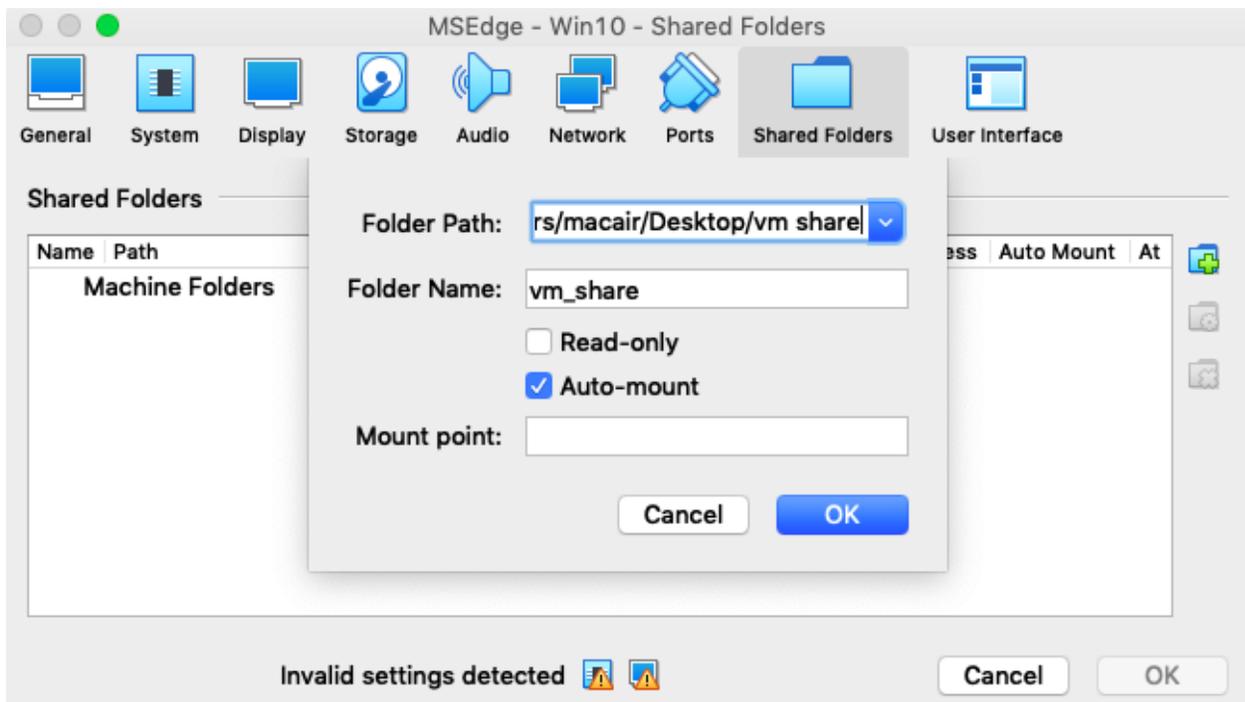
Folders from the menu

Shared Folders are useful when using VM's - they are folders that reside on the host machine (even attached storage such as USB drives) that can be seen by the VM

Note: Shared Folders will not work properly until the **Guest Additions** are installed in the VM instruction for guest additions will follow.



Select the + button on the right-hand side and in the **Folder Path:** select **Other**.



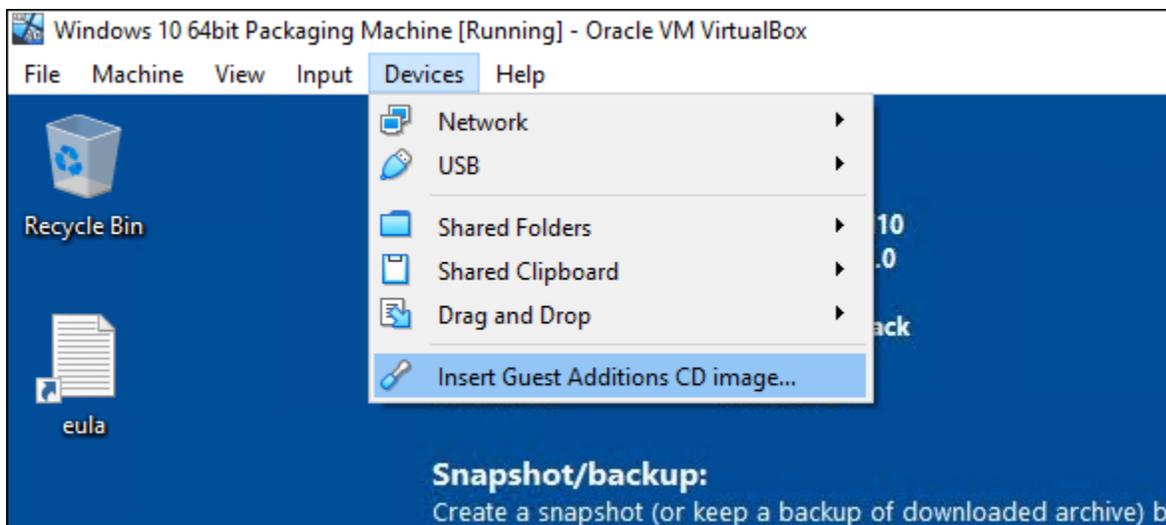
Point **Folder Path**: to the vm share you created earlier that is located on your desktop. Be sure to check **Auto-mount** then click **OK**. Then click **OK** to close all boxes.

Configuring Windows, Installing Guest Additions

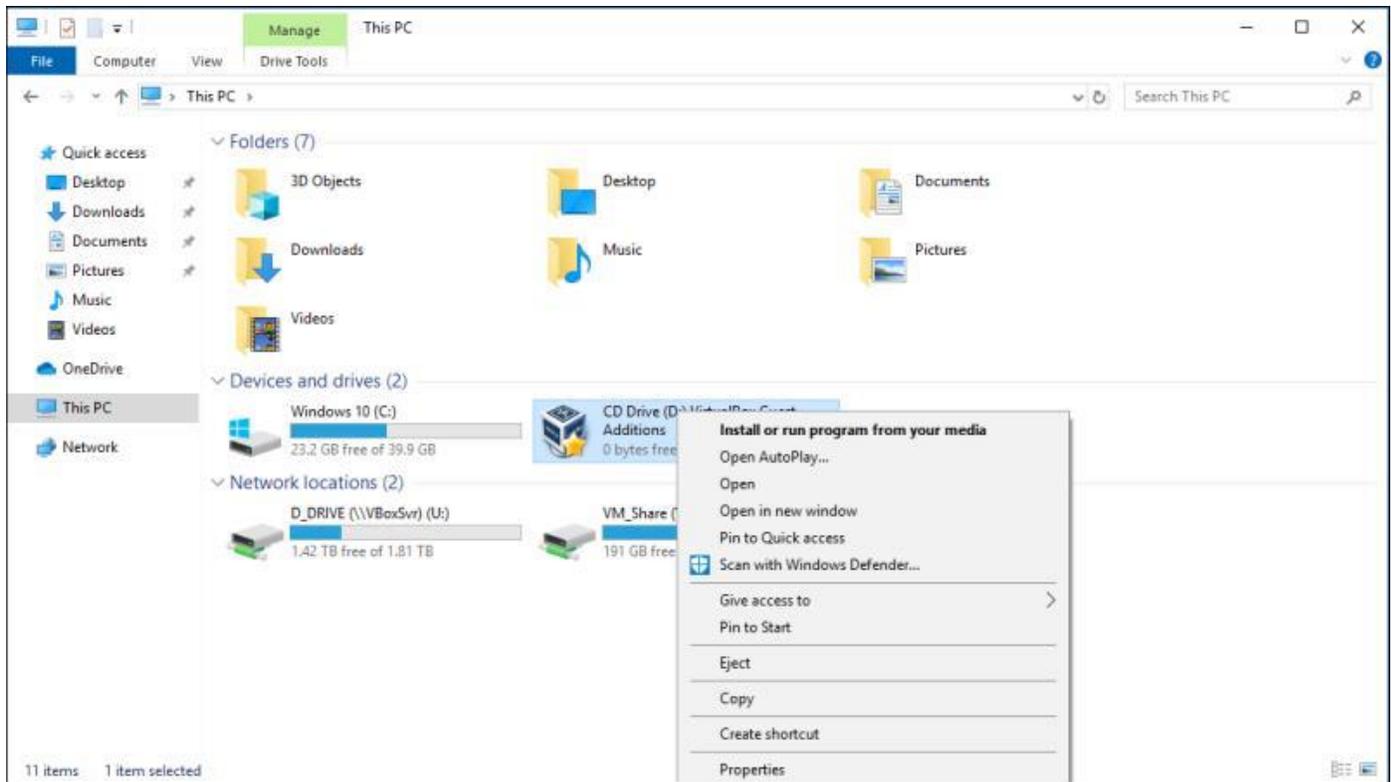
Start the VM and log into Windows with the preconfigured credentials:

Username: **IEUser**

Password: **Passw0rd!**



Go to the **VirtualBox menu** and select **Devices>Insert Guest Additions CD**

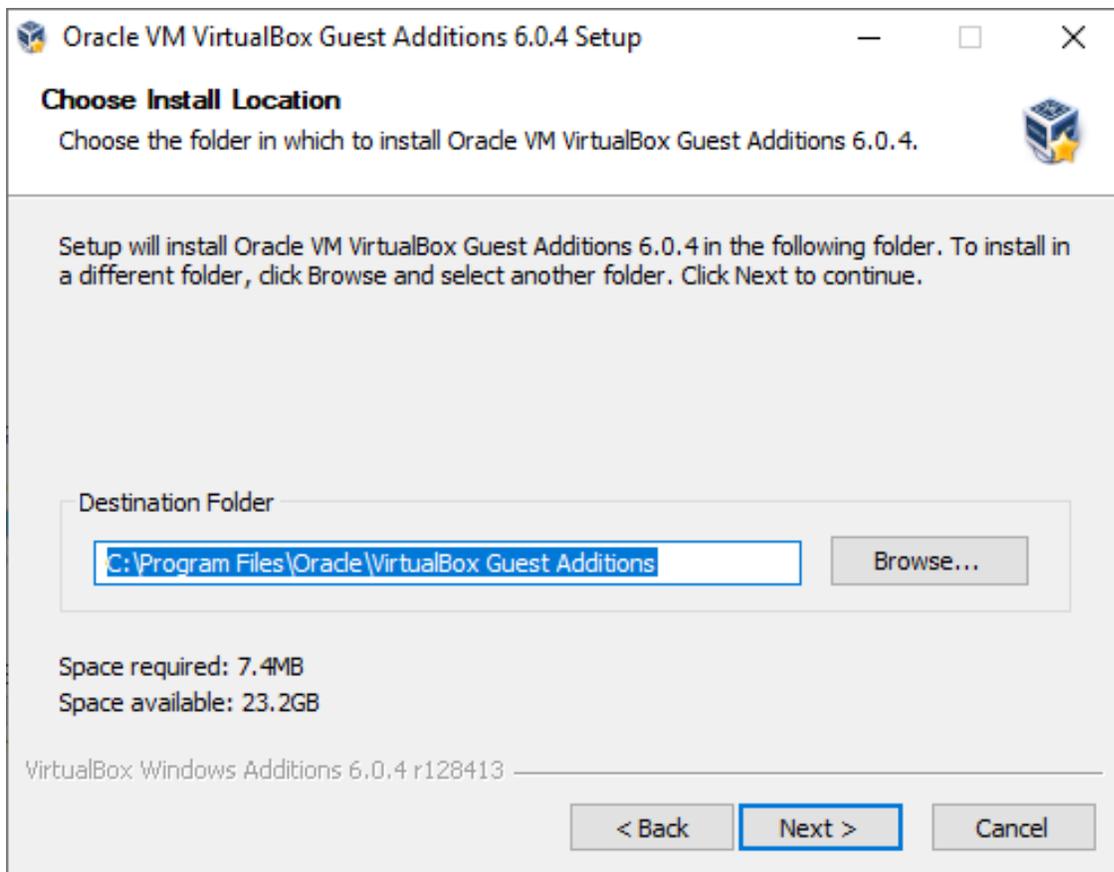


Open **This PC** in explorer, right click the **CD Drive** and select **Install or run program from your media** accept any UAC prompts.

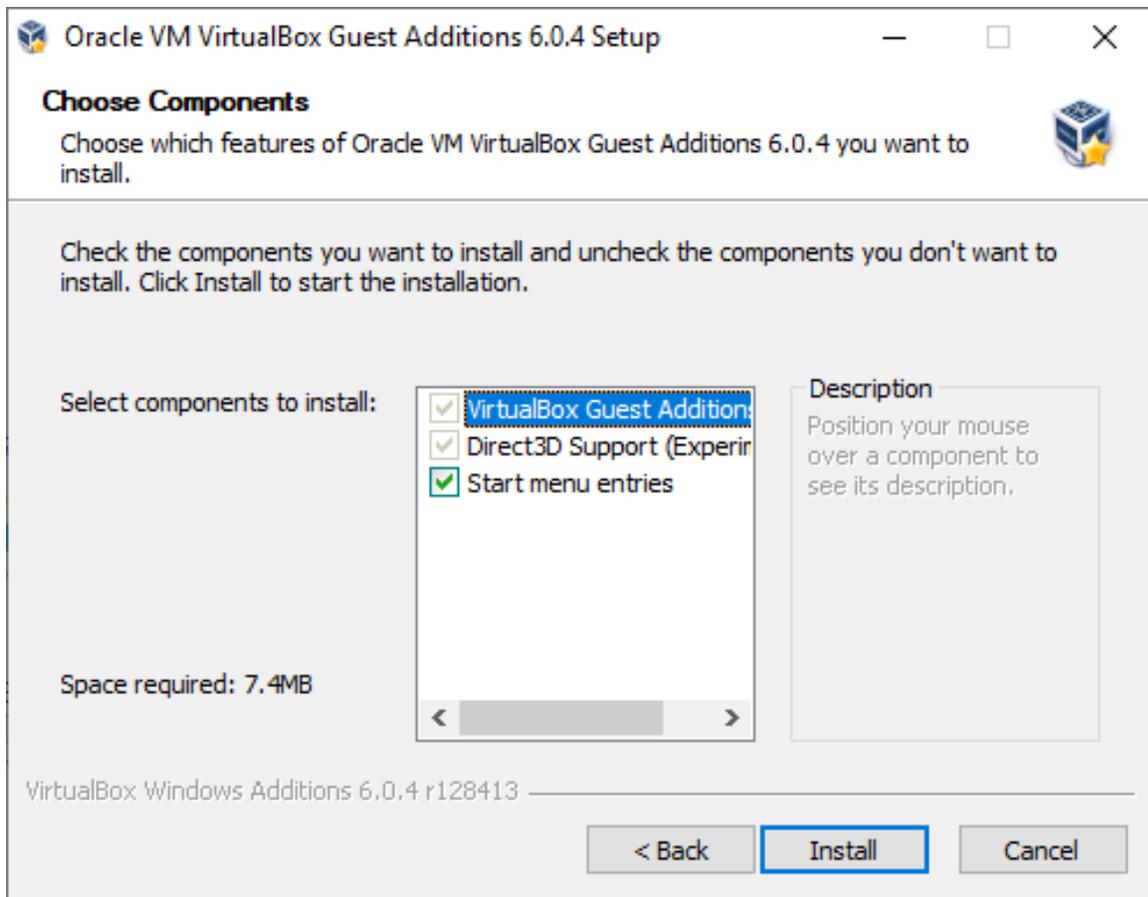


The installer for the Guest Additions will start, click **Next**

Note: If VirtualBox Guest Additions is a different version number than what is shown in the image that is fine just continue.



Accept defaults and click
Next



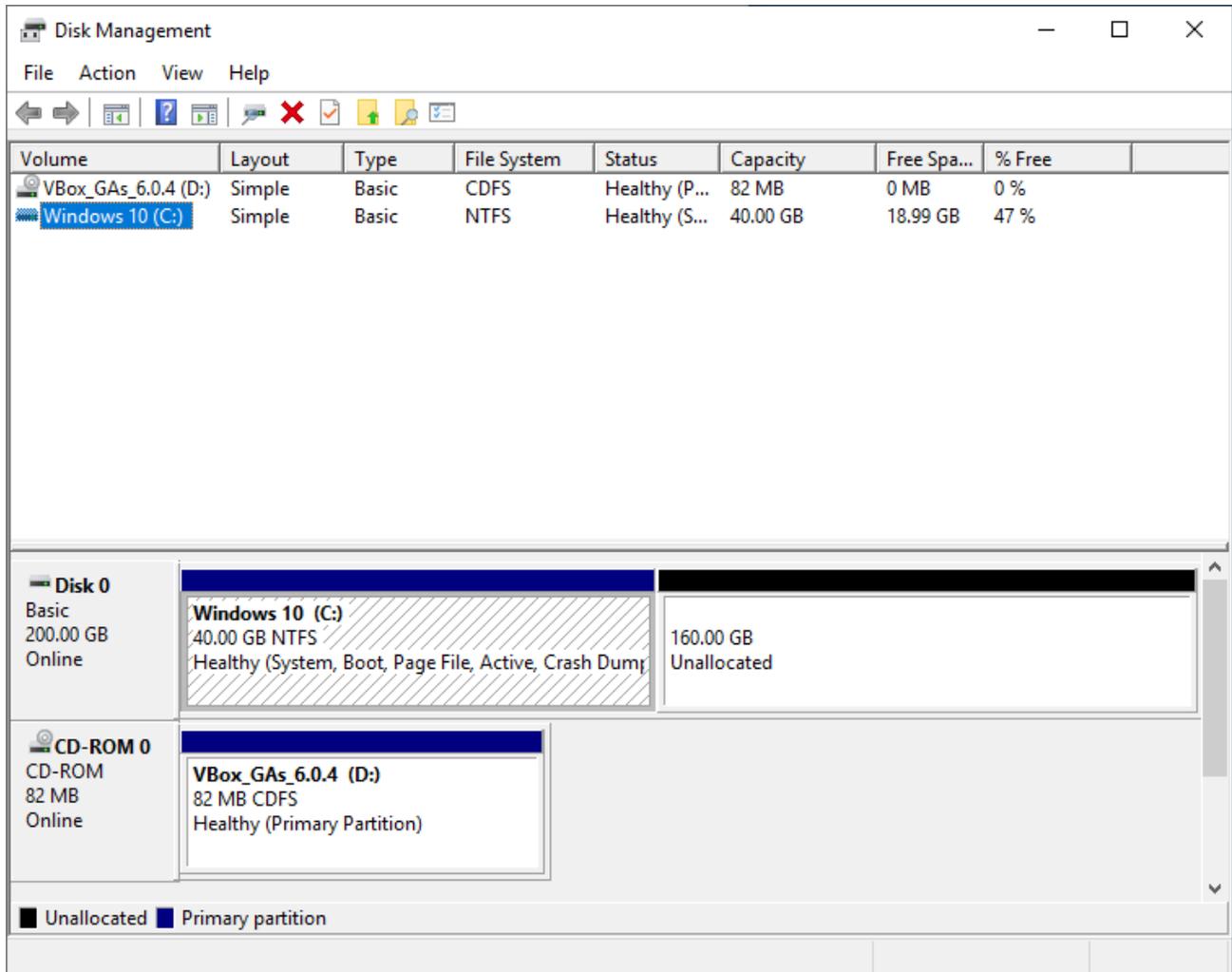
Accept defaults and click
Install



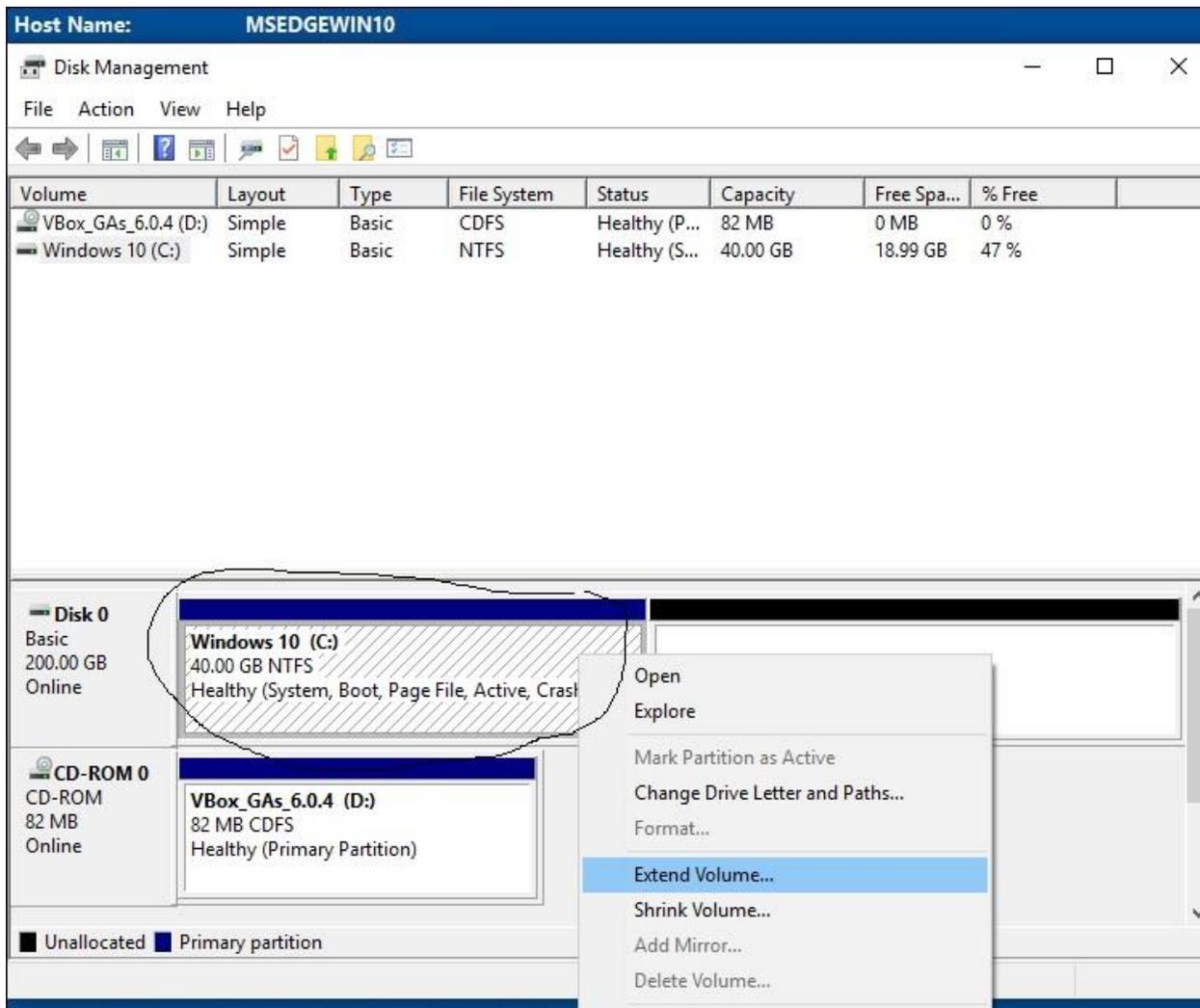
Wait for the software to install, ensure **Reboot now** is selected and click **Finish** - the VM will restart.

When the VM restarts, log back into the **IEUser** account and amend **Regional Settings** to your location if required – the default region is set to **US time and Keyboard** It is recommended that **Windows** is completely up to date by **checking for updates and restarting** when required.

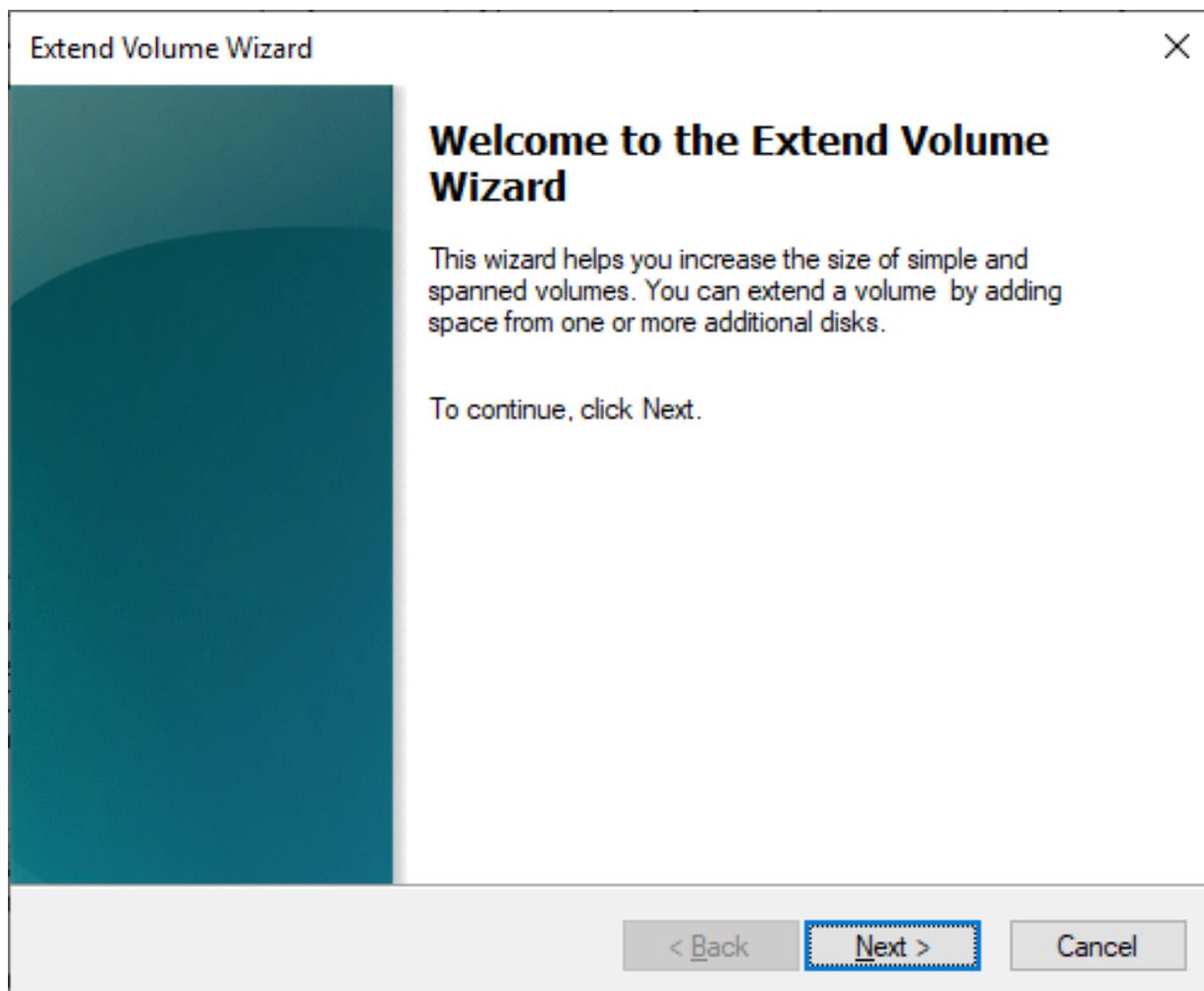
Increase the Windows Partition



Open **Disk Management**



Right click the Windows 10 partition and select **Extend Volume**.



The **Extend Volume Wizard** will open, click **Next**

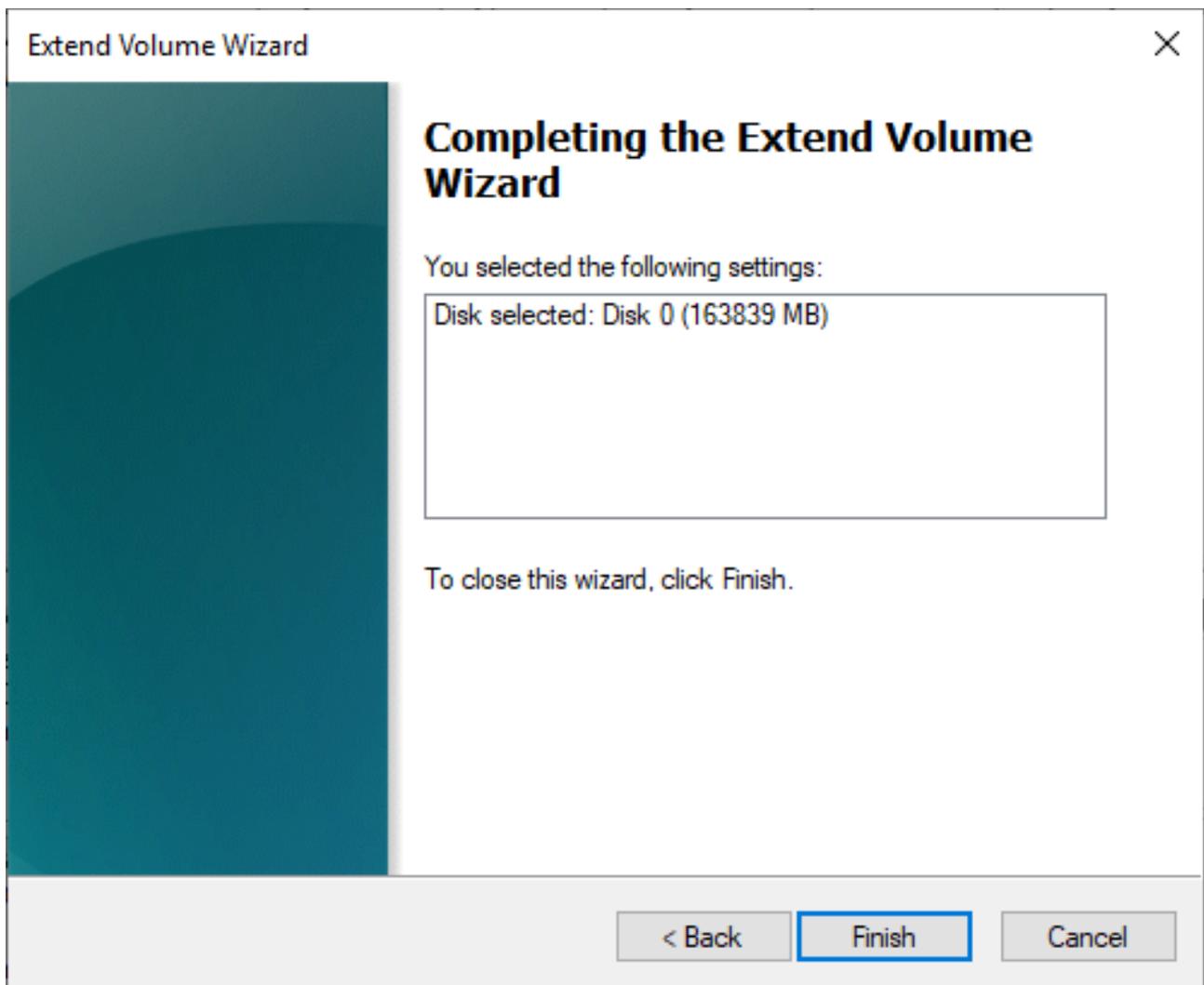
Extend Volume Wizard ×

Select Disks
You can use space on one or more disks to extend the volume.

You can only extend the volume to the available space shown below because your disk cannot be converted to dynamic or the volume being extended is a boot or system volume.

Available:		Selected:
<div style="border: 1px solid gray; height: 100px; width: 200px;"></div>	<input type="button" value="Add >"/> <input type="button" value=" < Remove"/> <input type="button" value=" < Remove All"/>	<div style="border: 1px solid gray; background-color: #e0e0e0; padding: 2px;">Disk 0 163839 MB</div>
Total volume size in megabytes (MB):		<input type="text" value="204797"/>
Maximum available space in MB:		<input type="text" value="163839"/>
Select the amount of space in MB:		<input type="text" value="163839"/> <input type="button" value="▲"/> <input type="button" value="▼"/>

By default, the wizard should extend the disk by the rest of the unallocated space, click **Next**



When the wizard has completed click **Finish**.

Host Name: MSEDGEWIN10

Disk Management

File Action View Help

Volume	Layout	Type	File System	Status	Capacity	Free Spa...	% Free
VBox_GAs_6.0.4 (D:)	Simple	Basic	CDFS	Healthy (P...	82 MB	0 MB	0 %
Windows 10 (C:)	Simple	Basic	NTFS	Healthy (S...	200.00 GB	178.86 GB	89 %

Disk 0
Basic
200.00 GB
Online

Windows 10 (C:)
200.00 GB NTFS
Healthy (System, Boot, Page File, Active, Crash Dump, Primary Partition)

CD-ROM 0
CD-ROM
82 MB
Online

VBox_GAs_6.0.4 (D:)
82 MB CDFS
Healthy (Primary Partition)

■ Unallocated ■ Primary partition

The disk will now show as **200GB** – close the Disk Management Window

You are now done setting up your Windows 10 VM.