

# Installing Windows Virtual Machine on VirtualBox

## Objectives

For this tutorial, the goal of those who follow this tutorial will be to turn them from a learner into a user. In this section, assuming the user has VirtualBox downloaded on their computer, the goal will be to set-up, download and install a Windows operating system's (OS) as a virtual client. The first step, as you will see, will be to download the ISO installation images of the operating systems. As a simple prerequisite, an ISO image is an optical disc image to hold uncompressed software and tend to hold the image of a media file system.

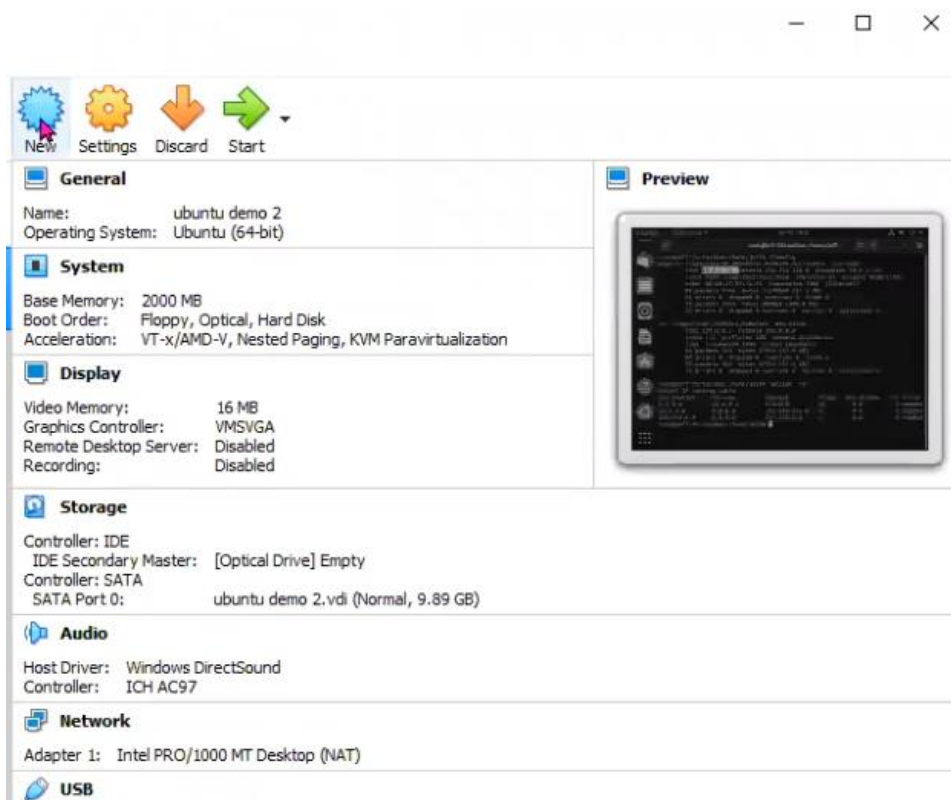
From here on, you will learn to open up the clients and handle the settings. The user will already have a downloaded VirtualBox software. This documentation will refer to a fictional document for their learning of its download in step 1. The goals are to manage the virtual machine, install and update the Windows clients and have the software recognize that it is running Azure within the hypervisor.

To Download VirtualBox refer [here](#).

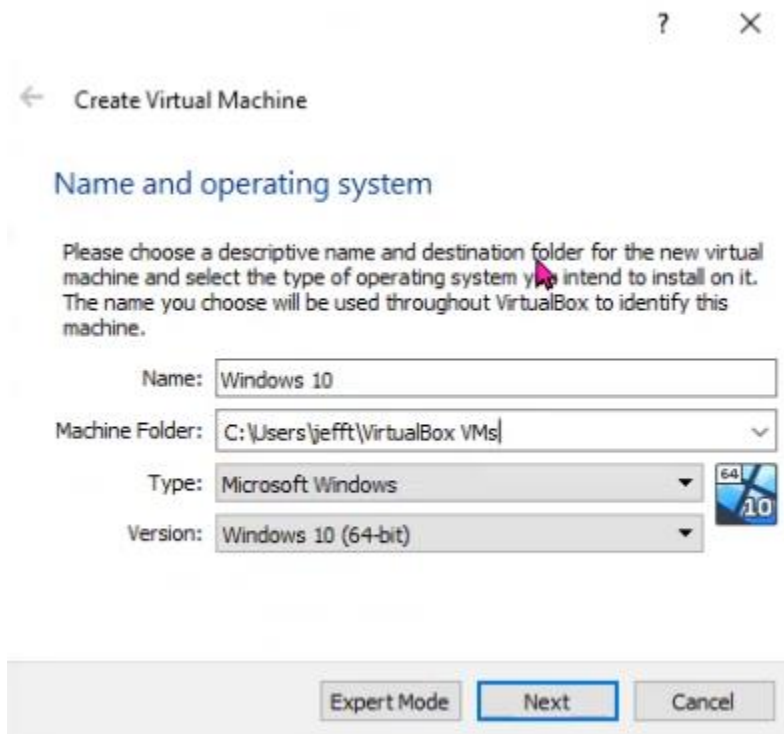
Windows 10 ISO Download: Refer to Project Downloads question on FAQ at: <https://fire6754.journoportfolio.com/#/>

## 1. Set-up

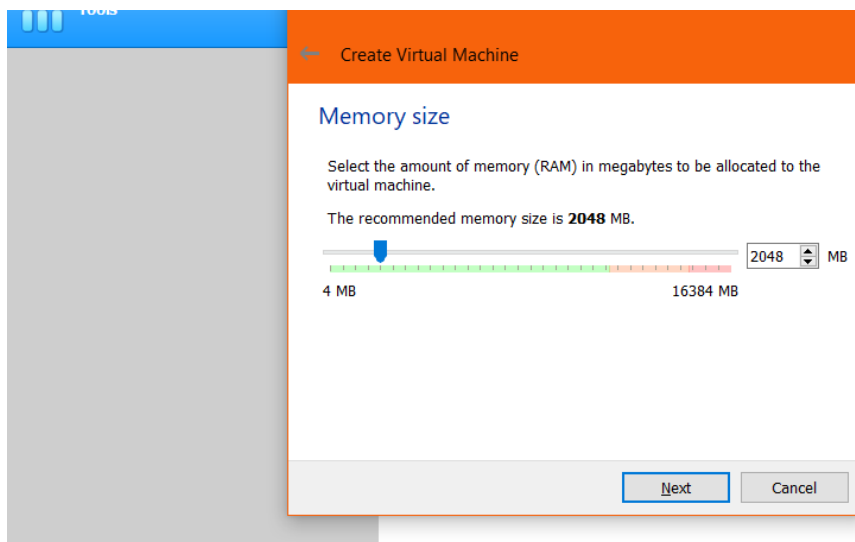
Firstly, startup your VirtualBox and press *New* to create a new virtual machine



In the 'Create Virtual Machine tab', you will want to place the name of your operating system in the *Name:* section. The version will subsequently change.



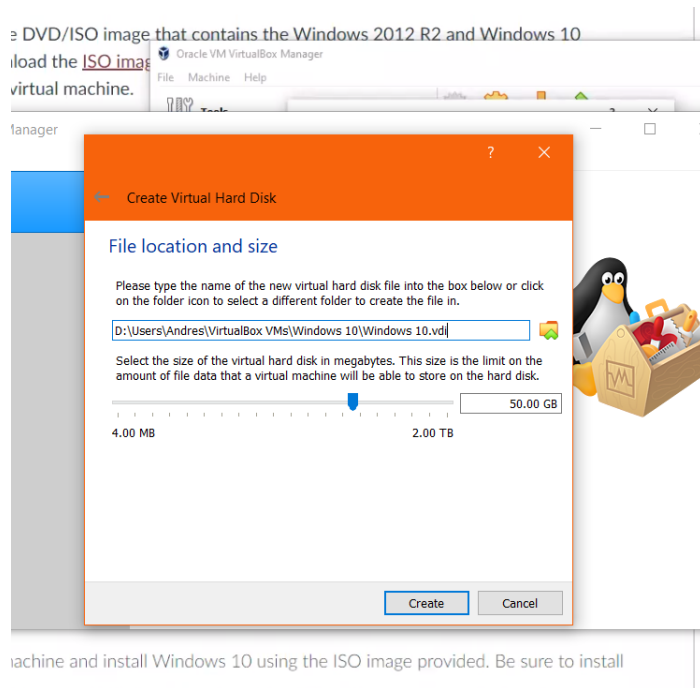
You will then see a 'Memory Size' tab. The meter indicates the lowest to highest physical ram you have. The blue marker is the recommended memory size. Once comfortable with your set amount, press *Next*.



In the following tabs you will choose each default setting presented. They go as follows:

- Press *Create a virtual hard disk* now in the 'Hard Disk tab' and click *Next*
- Press *VDI (VirtualBox Disk Image)* in the 'Create Virtual Hard Disk tab' and click *Next*
- Press *Dynamically allocated* in the 'Create Virtual Hard Disk' and click *Next*

When you reach the following 'Create Virtual Hard Disk' tab,



Identify the location in your file explorer where you want to store this specific folder with the Windows 10 machine. Keep in mind that the file size will be 50 gigabytes. Click *Create*.

## 2. Running for the First Time

You will now see the new virtual machine on the left-hand side of the VirtualBox application.



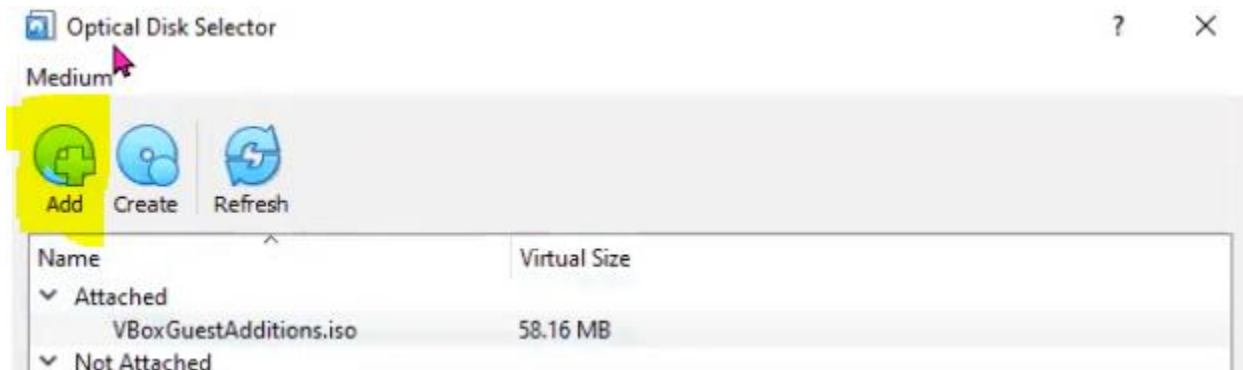
Now you are prepared to run your virtual machine image. You can press *Start*.

When you boot up your Windows 10. After pressing *Start*, you will see this screen that will prompt you to select your start-up disk:



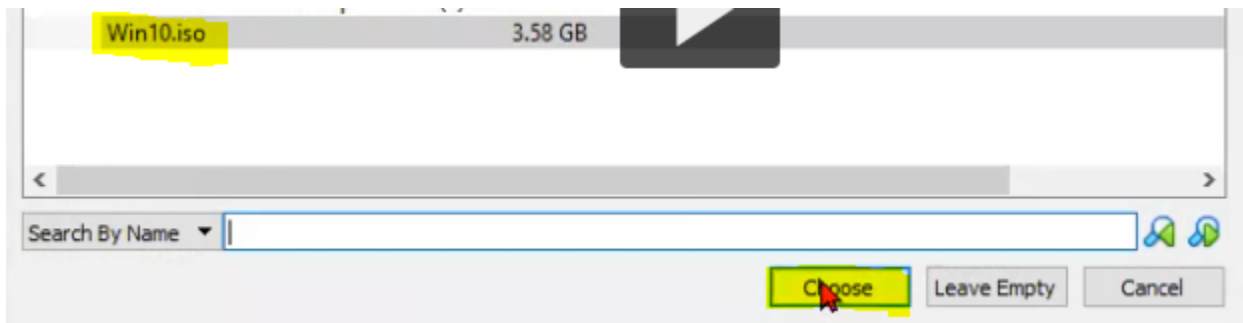
Here, you will need to press the folder icon, that is highlighted in yellow in the image above.

The 'Optical Disk Selector' tab will open, and you will press *Add* to add in your own ISO image. In this case we will choose Windows 10.

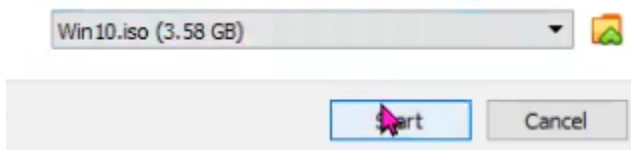


After pressing *Add*, locate the location of the Windows 10 ISO (refer to paragraph 3 of the Objectives subheading in this document if you don't not already have your Windows 10 ISO) image named 'Win10.iso'.

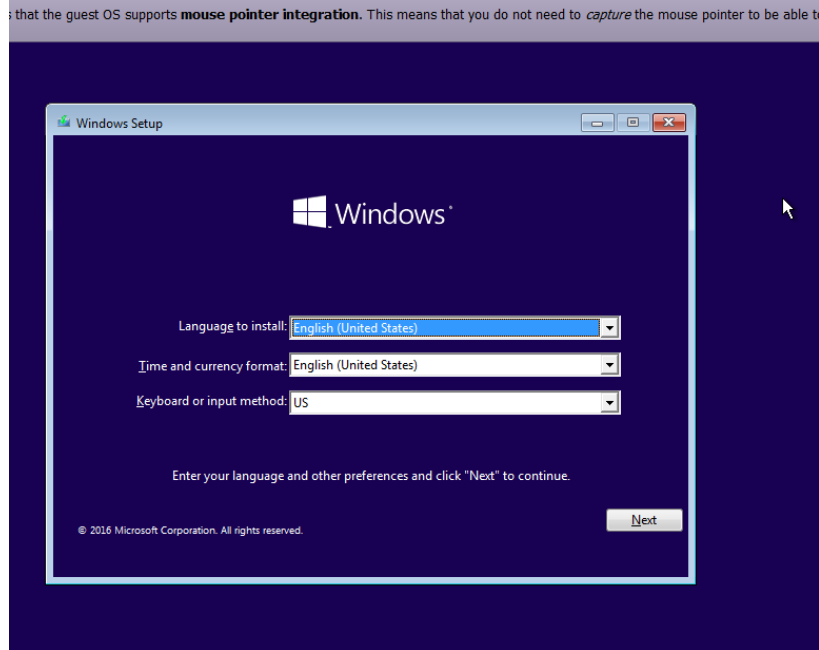
Once opened, you will see in the disk selector. Press on the image and press *Choose*.



Now, you are ready to press *Start*



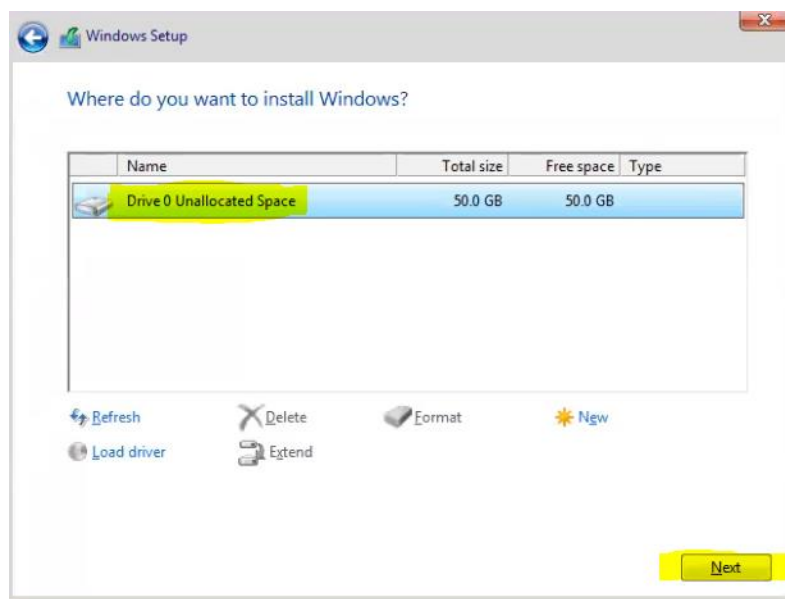
### 3. Windows 10 Installation



Press *Next*, then *Install*. At this point, your set-up will start its download.

A tab titled 'Windows Setup' will open. You will need to agree and accept the license terms by checking the box and pressing *Next*.

On this following tab, you will want to press 'Custom: Install Windows only (advanced)' You will then see a partition table of the 50 gigabyte drive you already set up earlier in this tutorial.



Press the drive and press *Next*

Windows 10 will now install and open through its virtualization upon completion.