

VirtualMachine Installation Guide

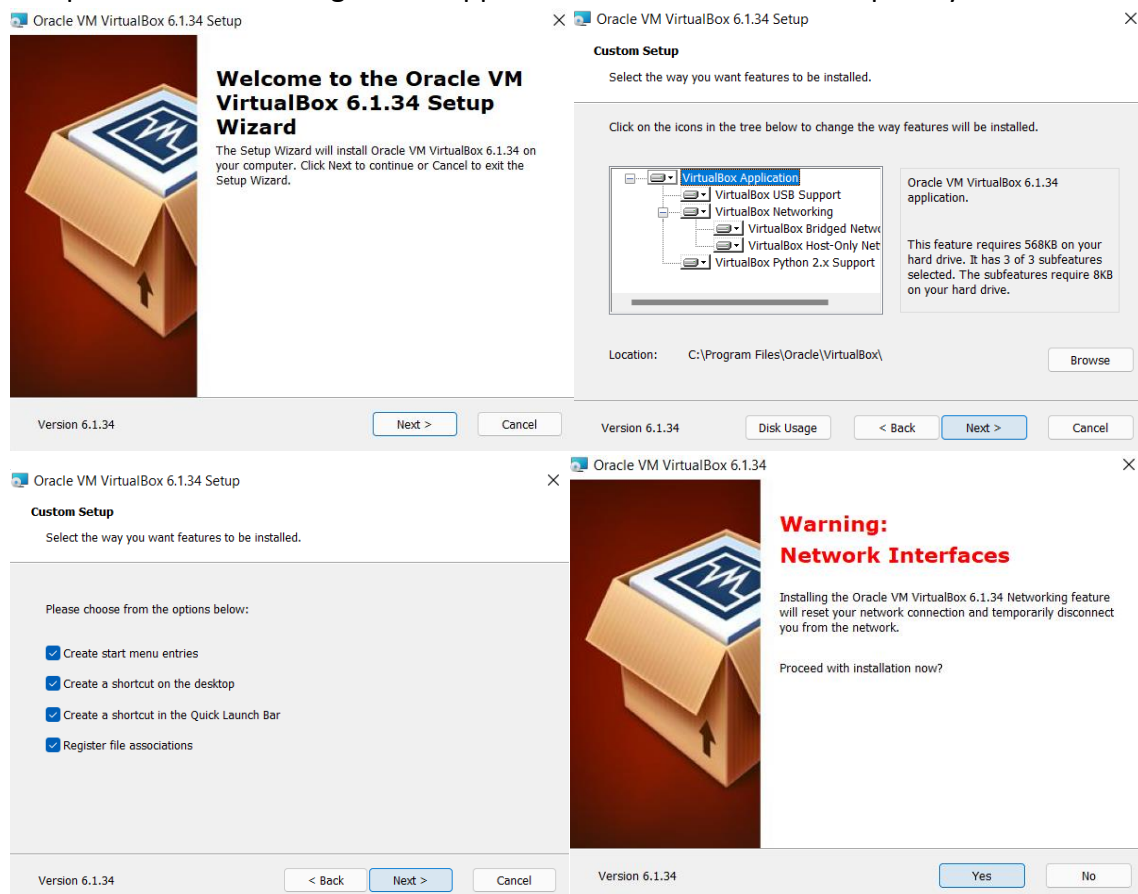
By Dinal Patel & Emmy Ea

1. Download Oracle Virtual Machine from <https://www.virtualbox.org/wiki/Downloads>. Select the appropriate platform that conforms to your current system to install.

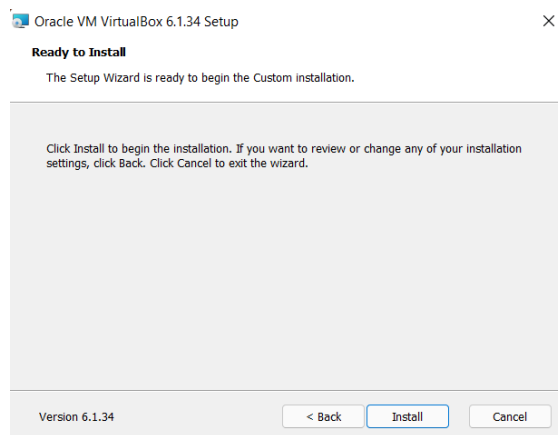
VirtualBox 6.1.34 platform packages

- [Windows hosts](#)
- [OS X hosts](#)
- [Linux distributions](#)
- [Solaris hosts](#)
- [Solaris 11 IPS hosts](#)

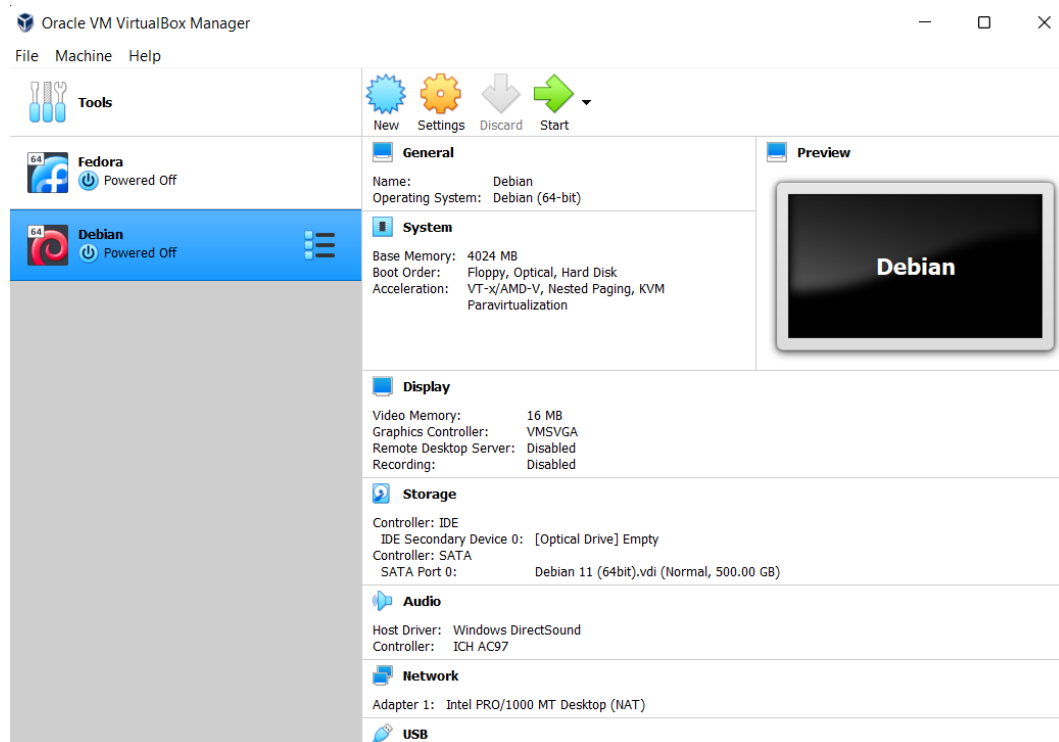
Once downloaded, open the exe file to start the installation of Oracle VM VirtualBox. Press next. On the custom setup page make sure you are installing in your preferred location and press next. On the continued custom setup choose your options for shortcuts and press next. A warning should appear make sure to read it and press yes.



You should now be at the installation page. Install and complete your installation of Oracle VM VirtualBox.



Once completed, your virtual machine should look like this. With an empty left column except for Tools.

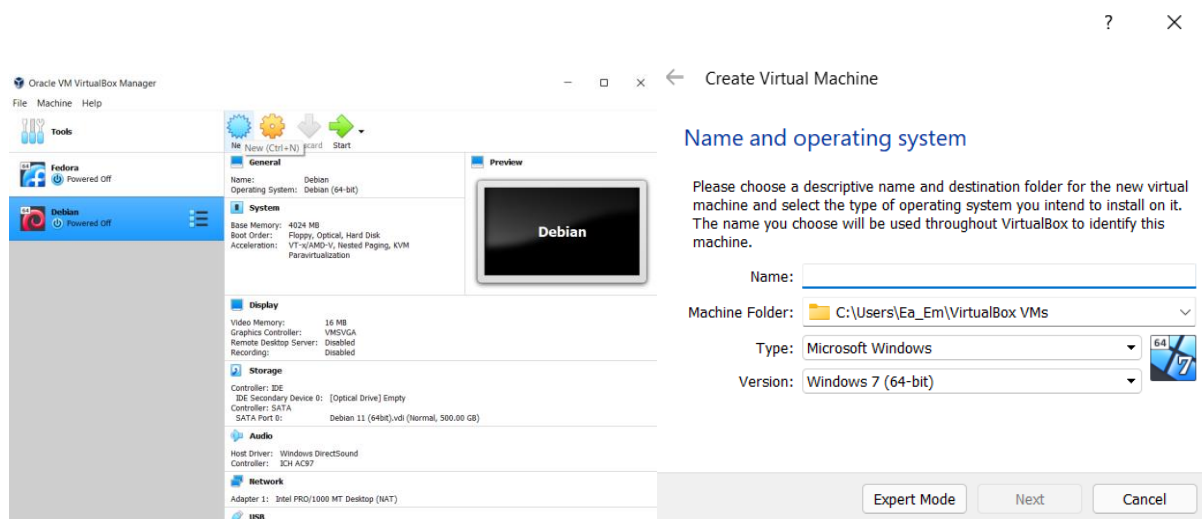


2. Download Debian live Cinnamon Iso from <https://cdimage.debian.org/debian-cd/current-live/amd64/iso-hybrid/?msclkid=bdaccd36c26111ec895c297ee1cfac73>

This is a large file and might take a while depending on your internet/wifi speed. An hour is normal if your speed is slow.

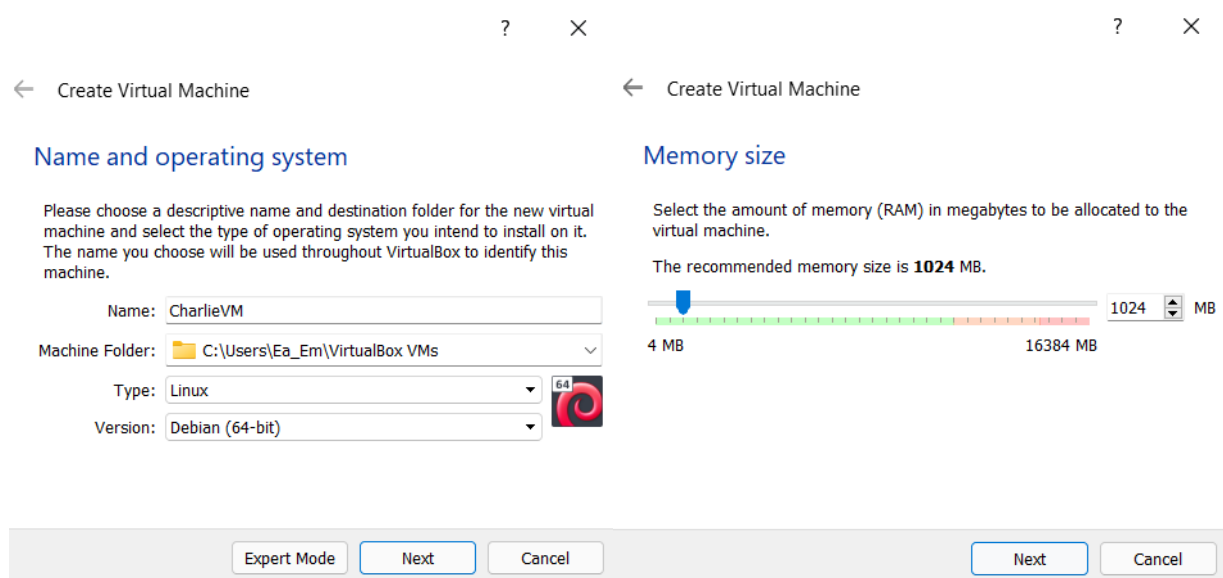
 debian-live-11.3.0-amd64-cinnamon	4/22/2022 5:13 PM	Disc Image File	2,836,896 ...
---	-------------------	-----------------	---------------

To create a new VM select new. Once you select new you will be directed to the Name and operating system.



Name your virtual machine. Set type to Linux and Version to Debian(64-bit) for our specific Music Production VM.

After pressing next. Allocate memory to your virtual machine. The lower the memory size, the slower your virtual machine will operate. But a higher memory size can also slow down your main device. We recommend using maximum half of your RAM. You can verify the RAM of your current system by searching for your system information in your search bar(Windows users).



Press next. Select Create a virtual hard disk now. Press Create. On the next page, select VDI for the ISO we downloaded before.

?

×

← Create Virtual Machine

Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.


If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the hard disk is **8.00 GB**.

☐ Do not add a virtual hard disk

☒ Create a virtual hard disk now

☐ Use an existing virtual hard disk file

Fedora.vdi (Normal, 20.00 GB) 

CreateCancel

Expert ModeNextCancel

Press next again and select Dynamically Allocated so the storage size will grow as needed. Press next and now you will be asked to select the size of the virtual machine. Ideally 16BG should be the minimum but for our Music Production VM will recommend 30GB due to the large amount of applications needed.

?

×

← Create Virtual Hard Disk

Storage on physical hard disk

Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).

A **dynamically allocated** hard disk file will only use space on your physical hard disk as it fills up (up to a maximum **fixed size**), although it will not shrink again automatically when space on it is freed.


A **fixed size** hard disk file may take longer to create on some systems but is often faster to use.

☒ Dynamically allocated

☐ Fixed size

File location and size

Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.

C:\Users\Ea_Em\VirtualBox VMs\CharlieVM\CharlieVM.vdi 

Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.

4.00 MB2.00 TB

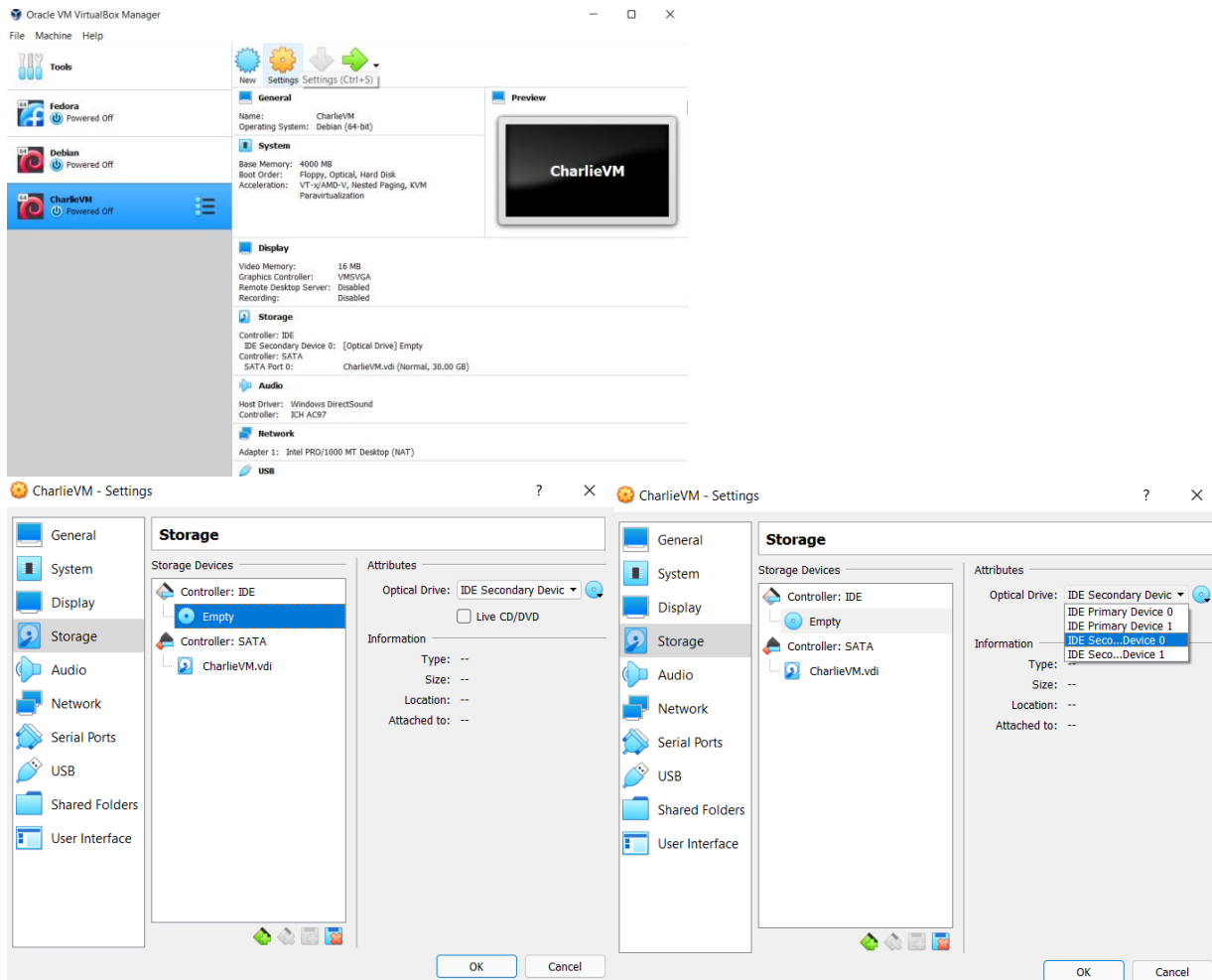
8.00 GB

NextCancel

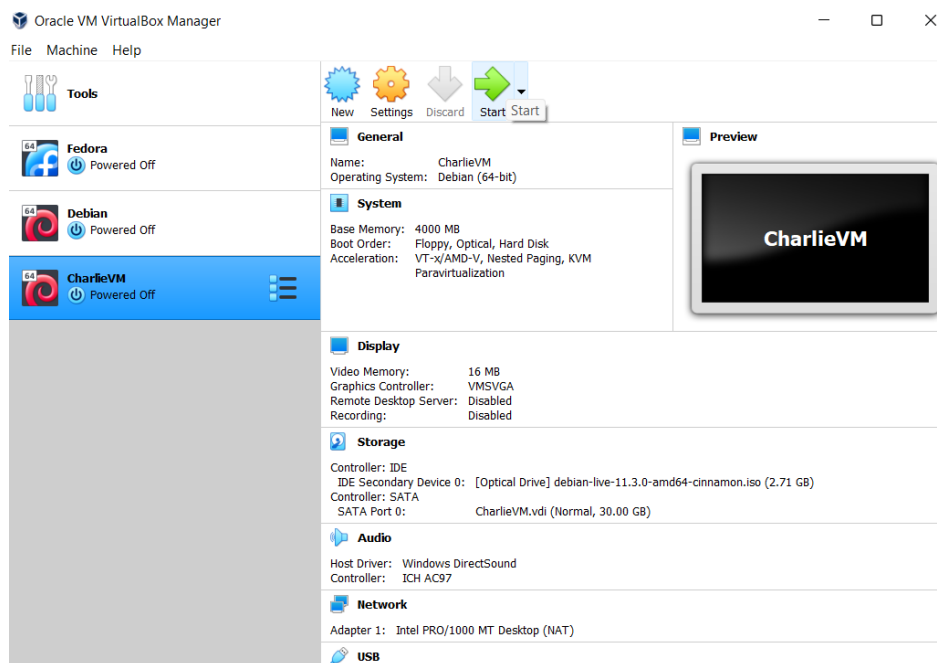
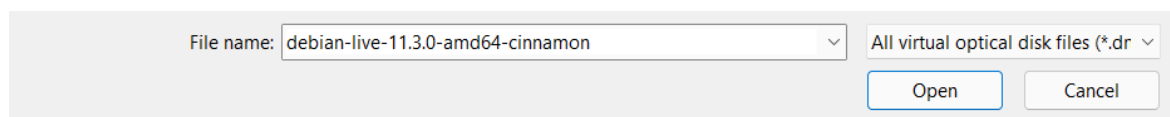
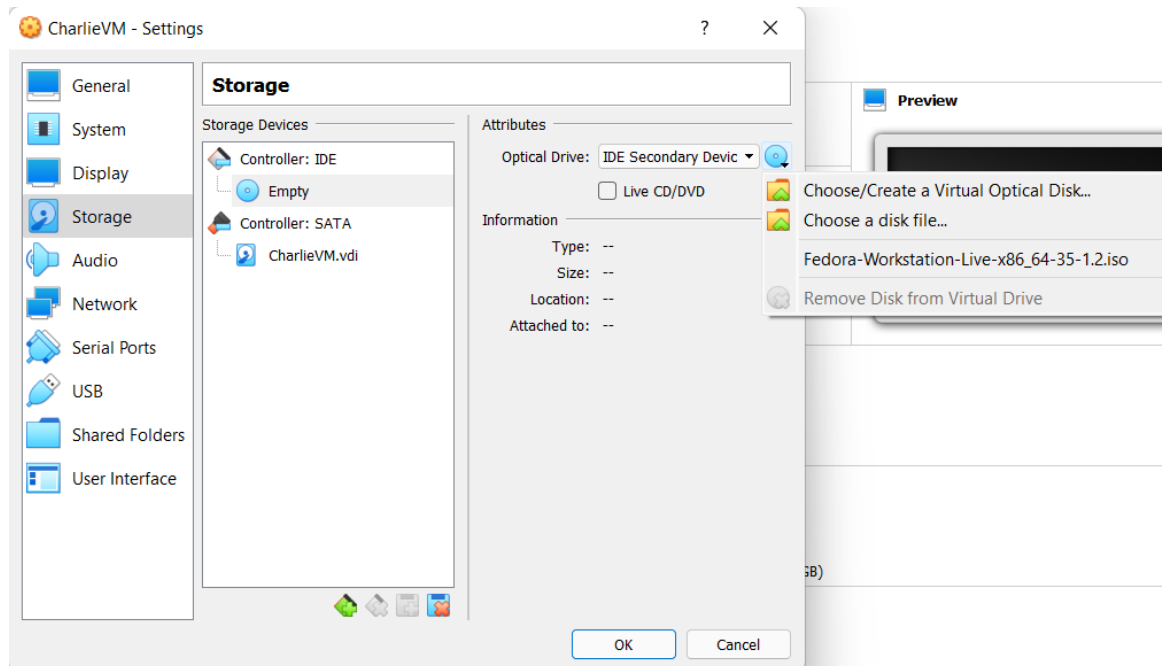
CreateCancel

Once the virtual machine is created, we can now insert the iso file using these steps.

Go to settings, under settings select storage. Click on empty under Controller: IDE. On your right should be an Attribute box containing Optical Drive. Press the numeric arrow and make sure it is under IDE secondary device 0.



Finally, click on the disk icon. Select choose a disk file and pick the iso file we downloaded previously. Press okay and go back to the main virtual machine page.



You can now start your VM!