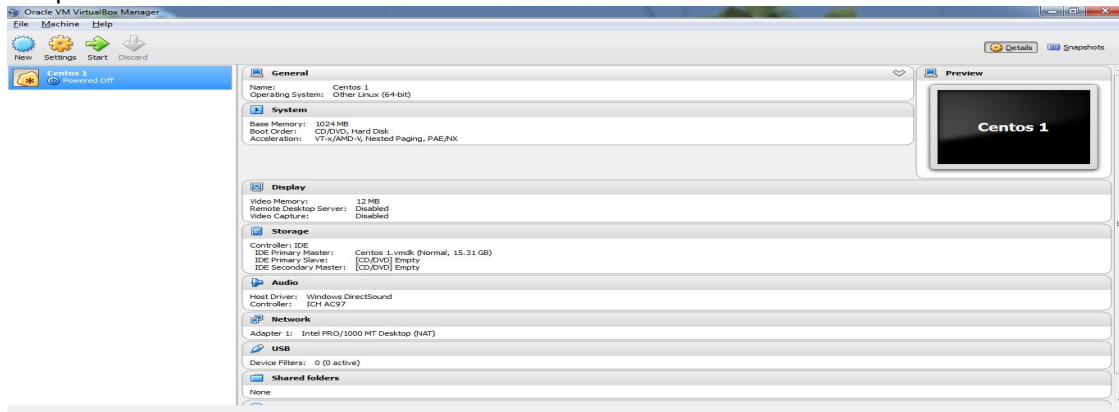
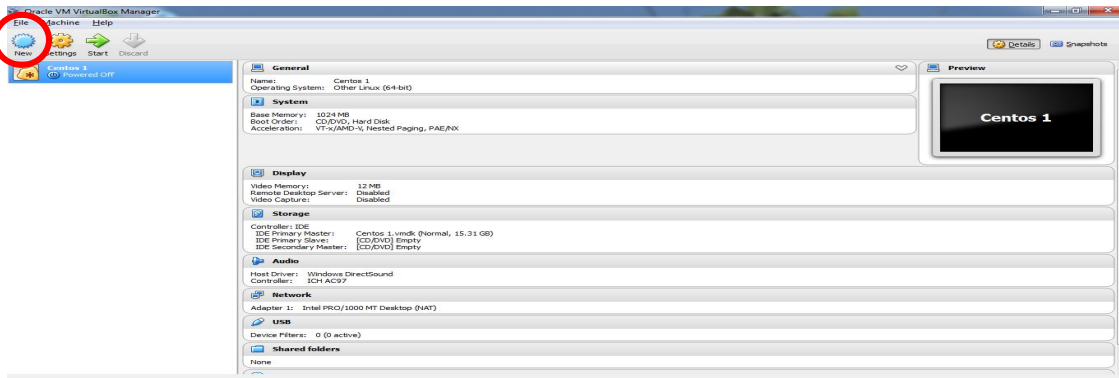


# Creating a new Virtual Machine in Oracle Virtual Box

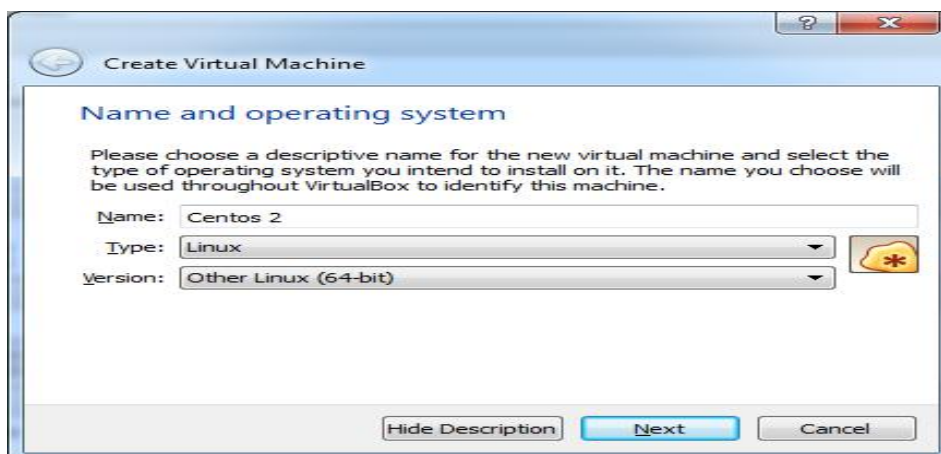
## 1. Open Oracle Virtual Box



## 2. Click on New tab – shown in the red circle in below fig. Create virtual machine dialog box opens.



## 3. In the Create Virtual Machine dialog box provide following information.



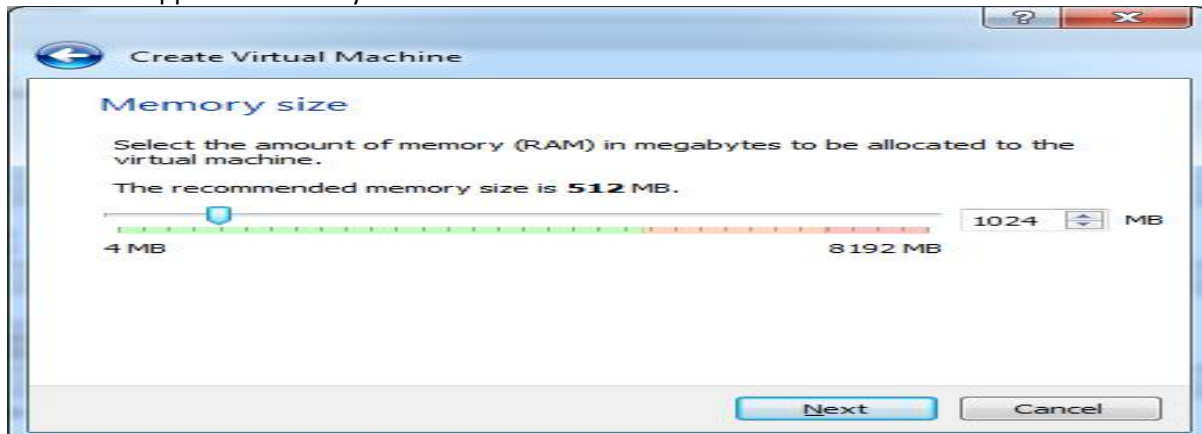
In the Name field type a unique name to identify this new virtual machine.

In the type field select the operating system that will be installed on this new virtual machine like Linux, Windows etc.

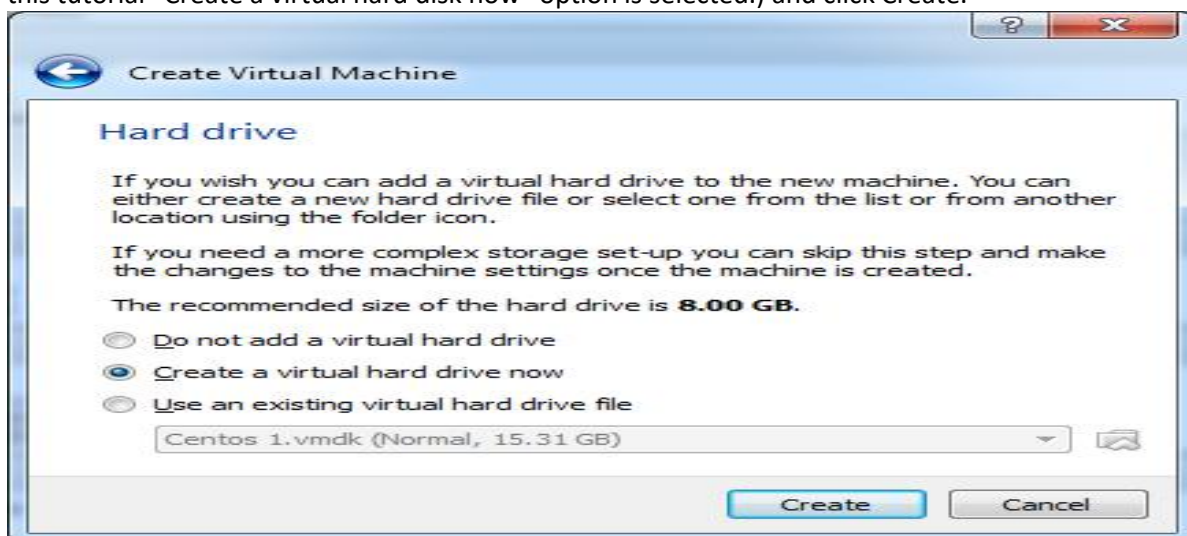
In the version field select the version of the operating system that will be installed. The version can be like Red Hat , Ubuntu etc. It is important to select the correct edition also means if the OS is 64 bit or 32 bit.

Click Next

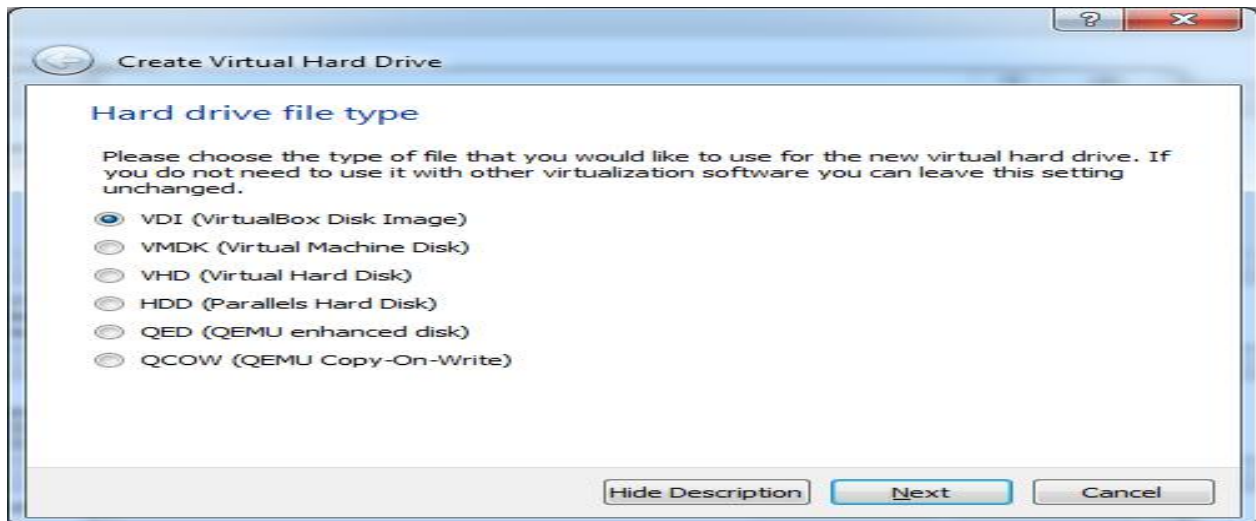
4. On the next screen, use the slider bar to select the amount of RAM that you want to assign to this new virtual machine. Consider number of virtual machine you want to run simultaneously. Also consider the OS and applications that you intend to run on this new virtual machine. Click Next.



5. On the next screen you require to create a hard disk. This is a virtual hard disk that will be created. The Oracle Virtual Box creates a file on the actual machine which will be used as a hard disk by the new virtual machine. You can attach an existing hard disk file to the new machine. You can create a virtual machine without creating a hard disk file and later you can create it. Click the appropriate action (for this tutorial "Create a virtual hard disk now" option is selected.) and click Create.

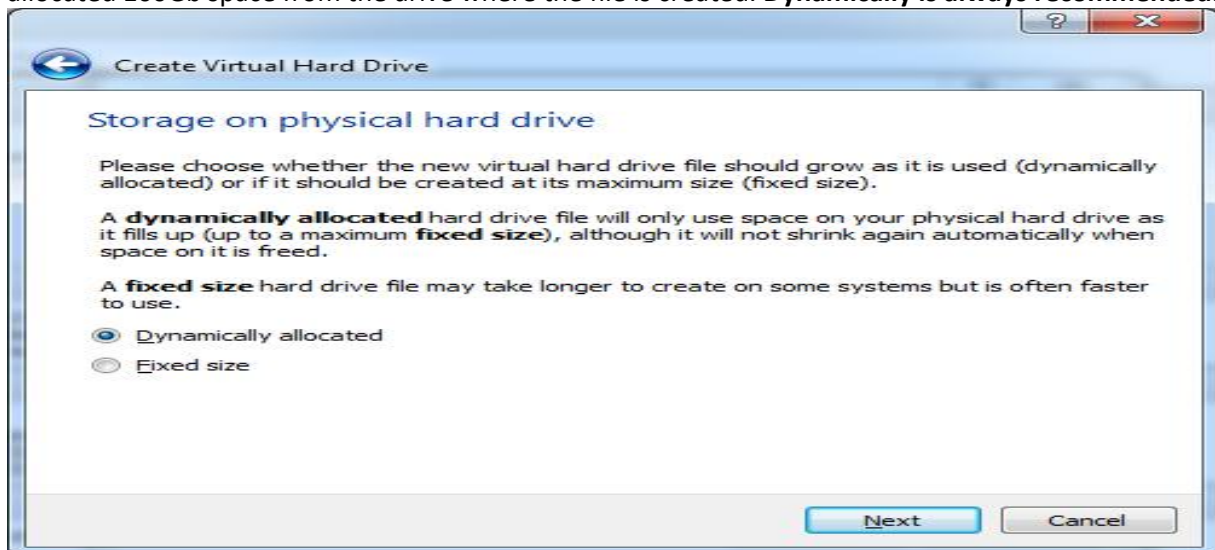


6. Different virtualization software uses a different format of hard disk file. The extension used also is different. If you want to move the hard disk files from one virtualization software to another select proper hard disk file type. For example if you want to create a virtual machine in Virtual Box and later on want to shift it to VMware workstation then select VMDK file type.



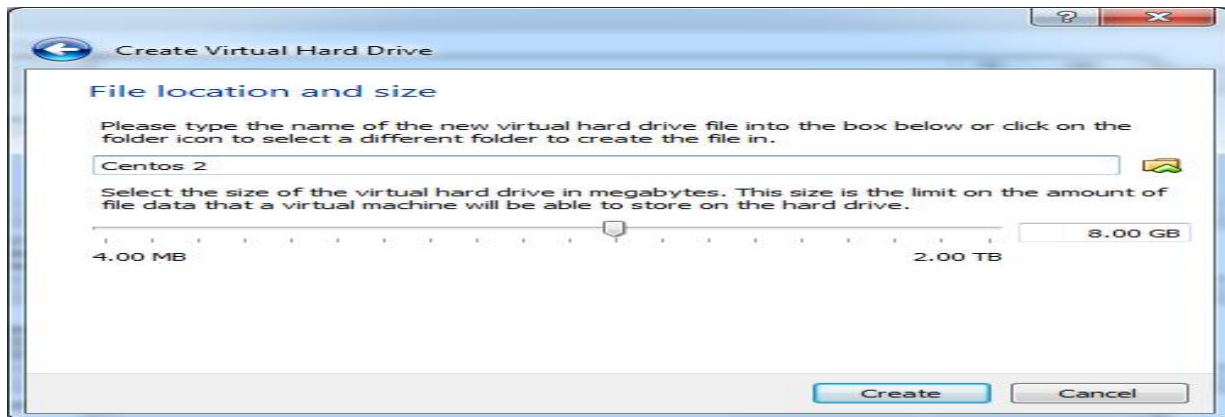
Select appropriate file type and click Next.

7. The next screen options decide the behavior of the hard disk file. If dynamically allocated option is selected it means even if you create a 100GB size virtual hard disk file, it will not consume the entire 100GB space on the drive where the file is located. It will start with minimum size will grow as the data goes in that from the virtual machine. However if you create a fixed size 100GB file the file will be allocated 100Gb space from the drive where the file is created. **Dynamically is always recommended.**



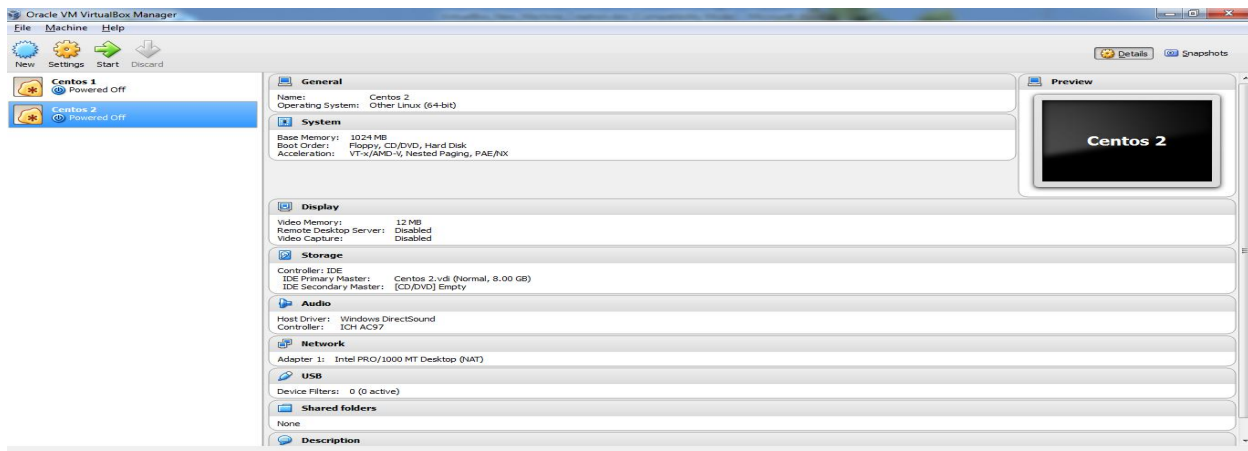
Click Next.

8. The next screen allows you to specify the drive and directory location where the virtual machine files and the hard disk file will be stored. The default location is **C:\Users\username\VirtualBox VMs\machine name**. To avoid you C drive from getting full, it is recommended that you use a separate drive with sufficiently large space. Make sure you store different virtual machine files in different directories.



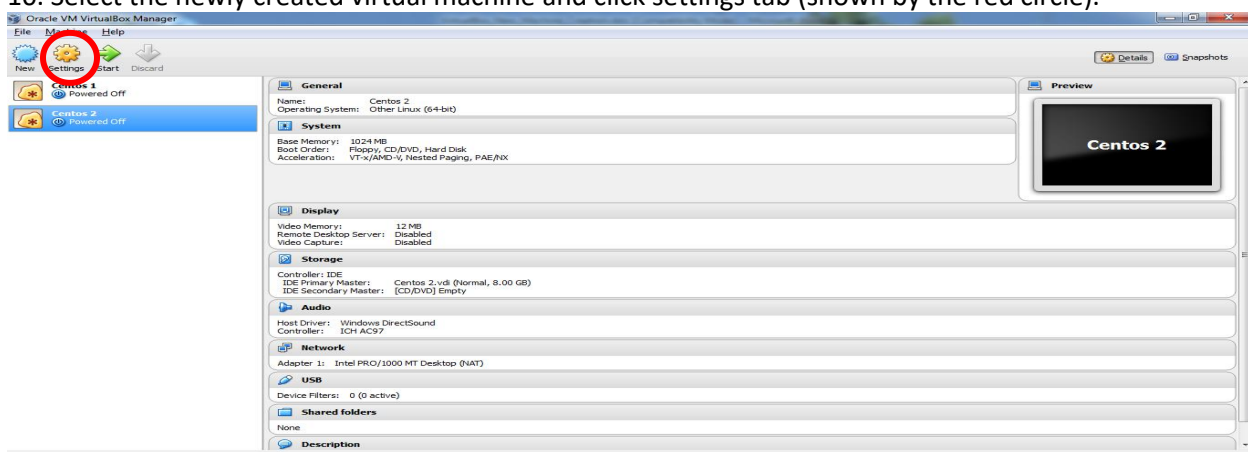
Also specify the required size of the hard disk. Click the folder image near the first box to select the path. Then click create.

9. Click Create and your new virtual machine will be created. The new machine name will appear in the left pane of the Virtual Box window.

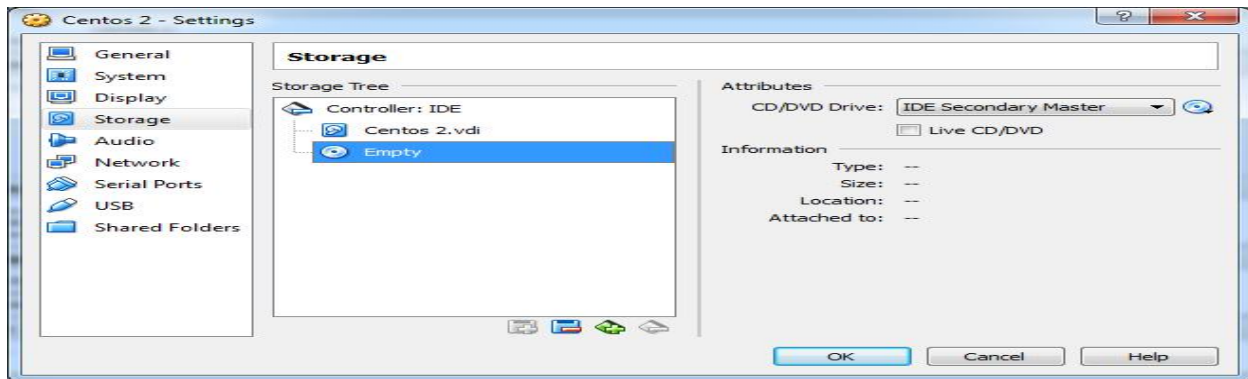


With the new virtual machine created you are now ready to install operating system on it.

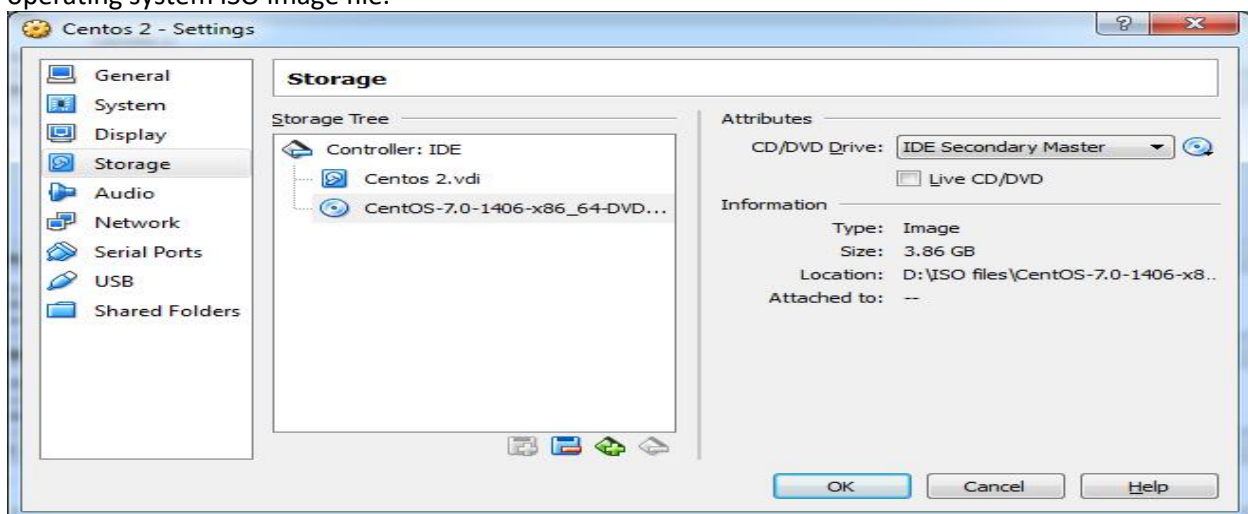
10. Select the newly created virtual machine and click settings tab (shown by the red circle).



In the window that opens click the storage option in the left pane as shown in the below fig.



Click the CD/DVD drive shown as empty. On the right side click the CD icon to select the path of the operating system ISO image file.



Once you attach the ISO image click OK.

Now select the machine and click the start tab. This will power on the machine and start installing the operating system.

### Note

**Instead of selecting the path each time it is a good practice to set the correct path in Virtual Box settings immediately after the installation of Oracle Virtual Box.**

**To set the virtual machine directory path in the Virtual Box window click File. In the menu displayed click Preferences. The following window appears. In the Default Machine Folder field set the location where all new virtual machine folders will be created.**

