

Exercise #1. Running Linux on a VM

In the upcoming homework assignments, we will use Linux as our main reference OS. In case your home computer use a different operating system, you may need to set up a virtual machine for running a guest Linux. The exercise will help you walk through the steps for setting up a Linux system on a Virtualbox VM.

A. Installing Oracle VM VirtualBox

1. Download Oracle VM VirtualBox from <https://www.virtualbox.org/wiki/Downloads>
2. Install Oracle VM VirtualBox on your computer. If everything goes right, you should see the following screen (Figure 1) after starting VirtualBox.

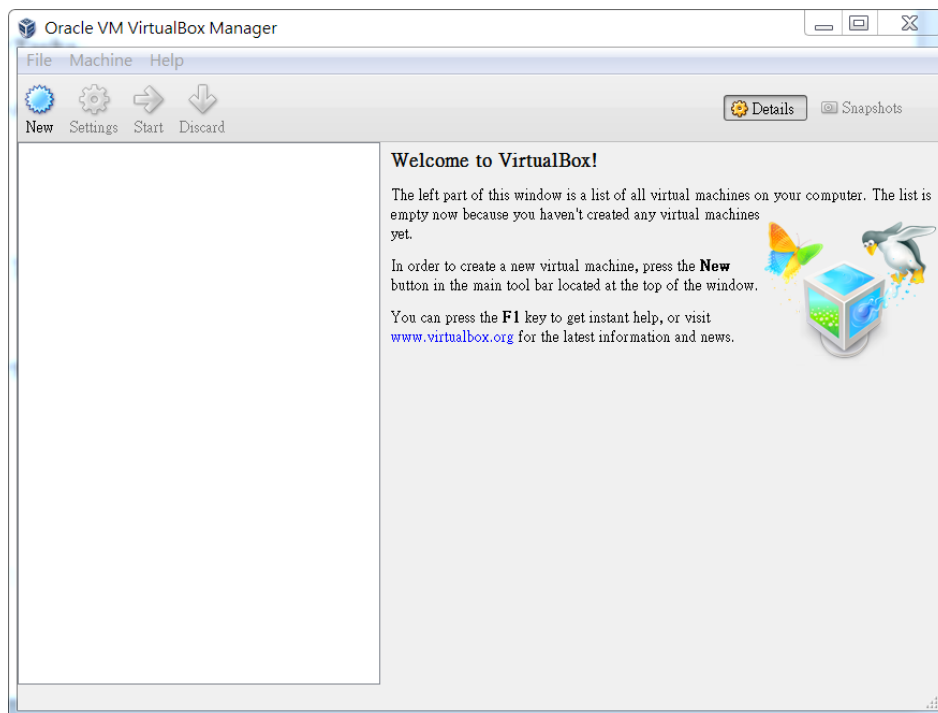
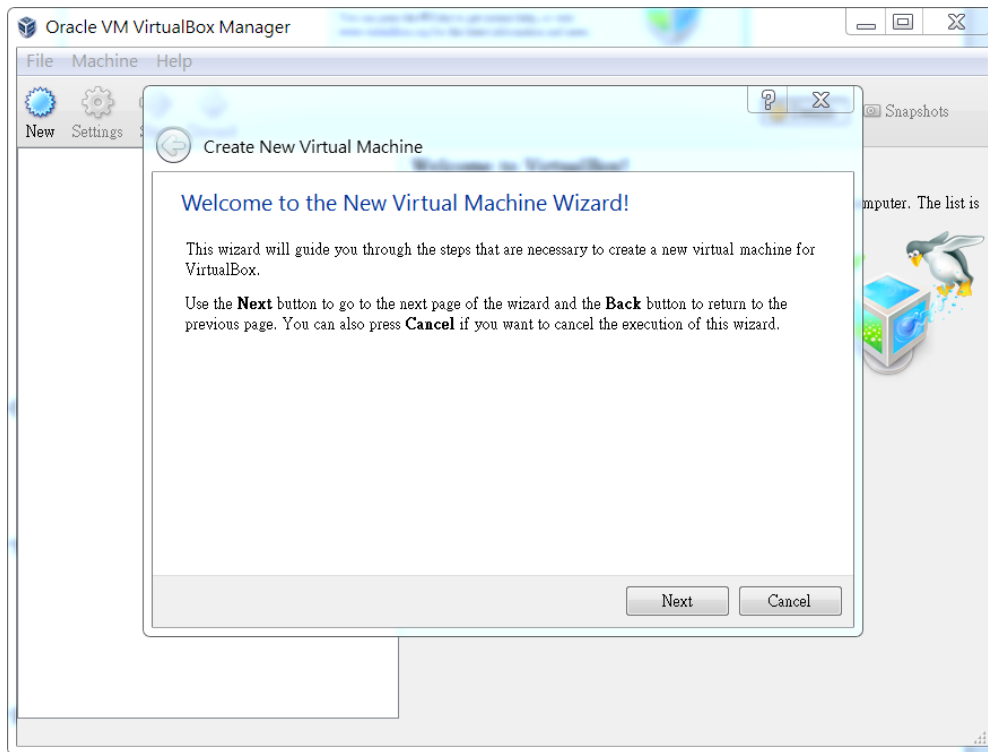


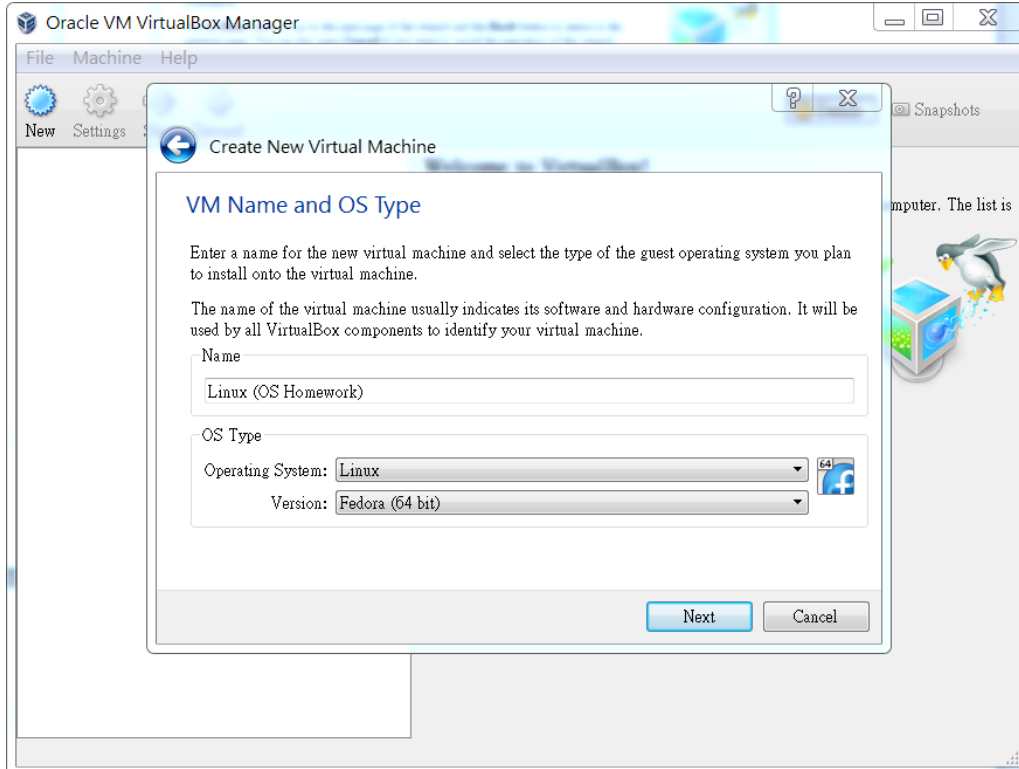
Figure 1. VirtualBox

B. Creating a new VM

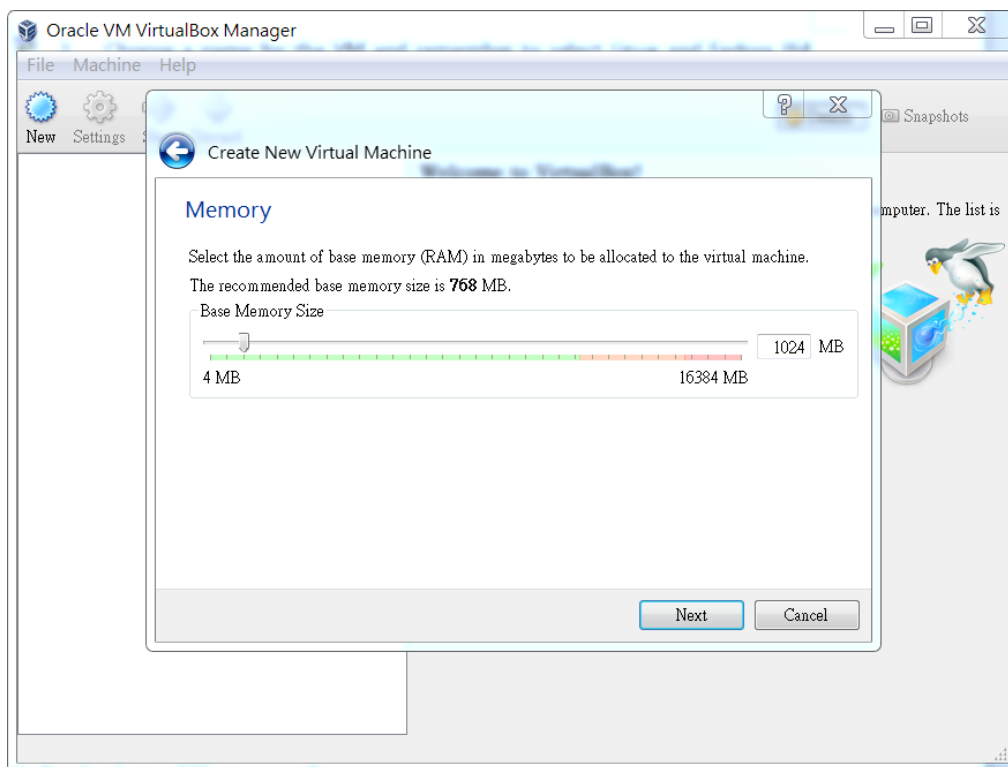
1. Click the "New" icon to create a New Virtual Machine



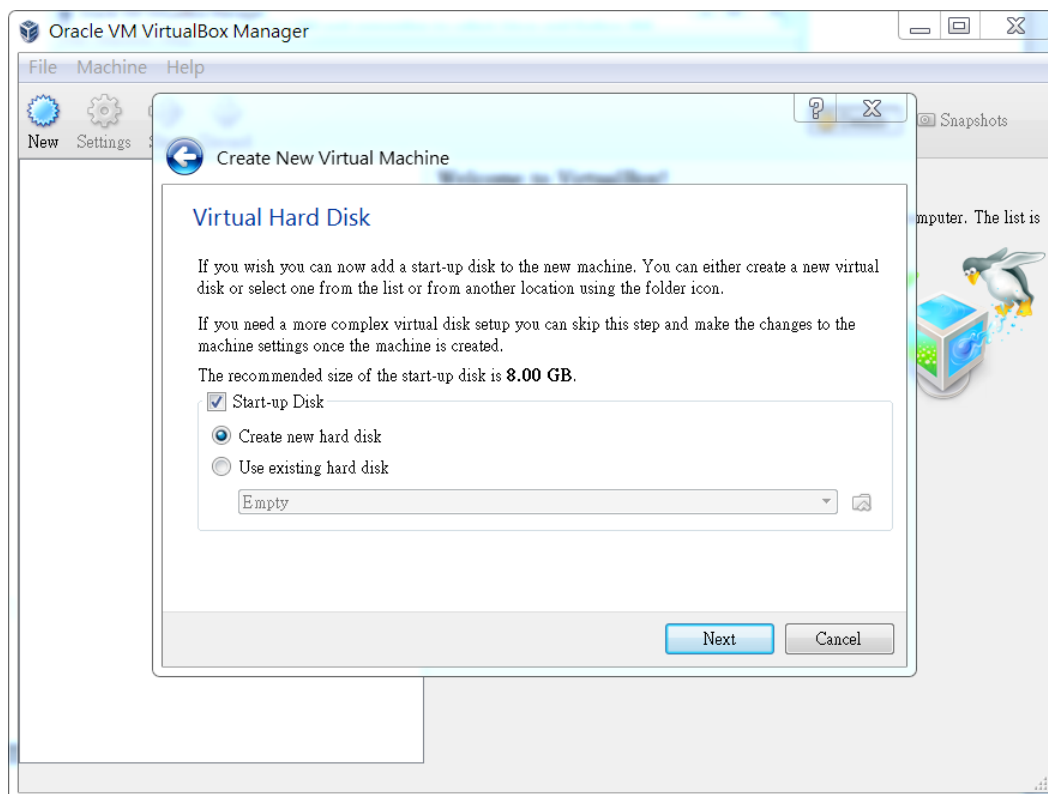
2. Choose a name for the VM and remember to select Linux and Fedora (64 bit) as the OS type and version.

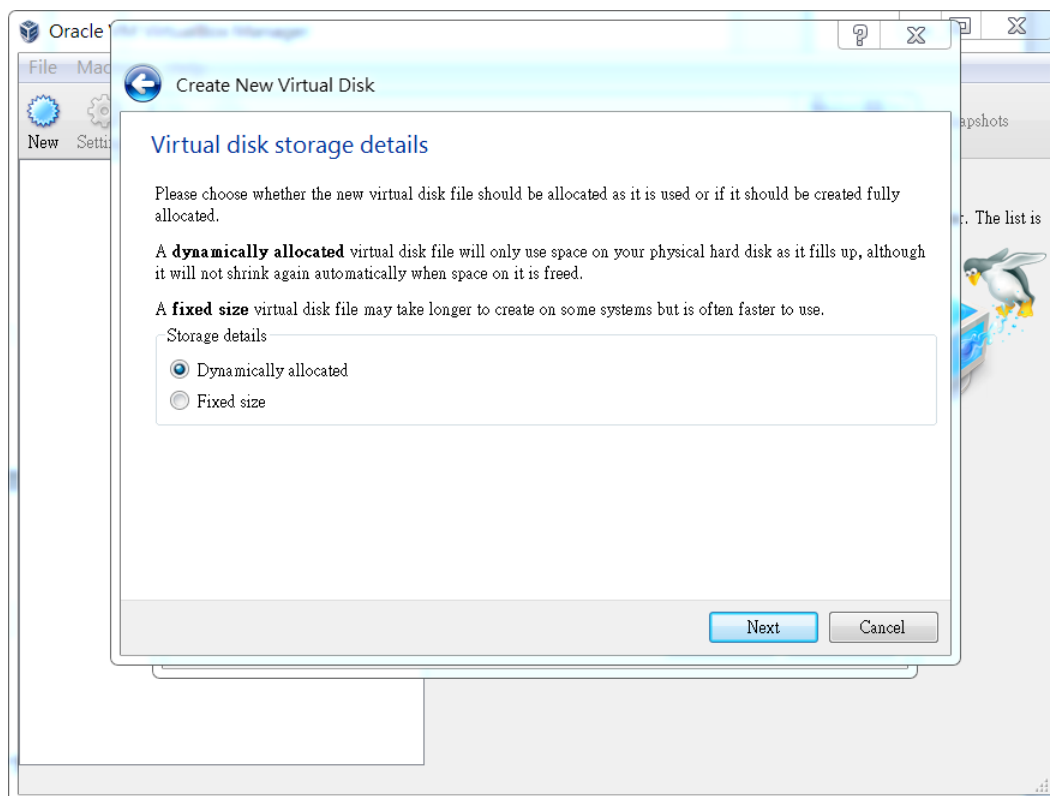
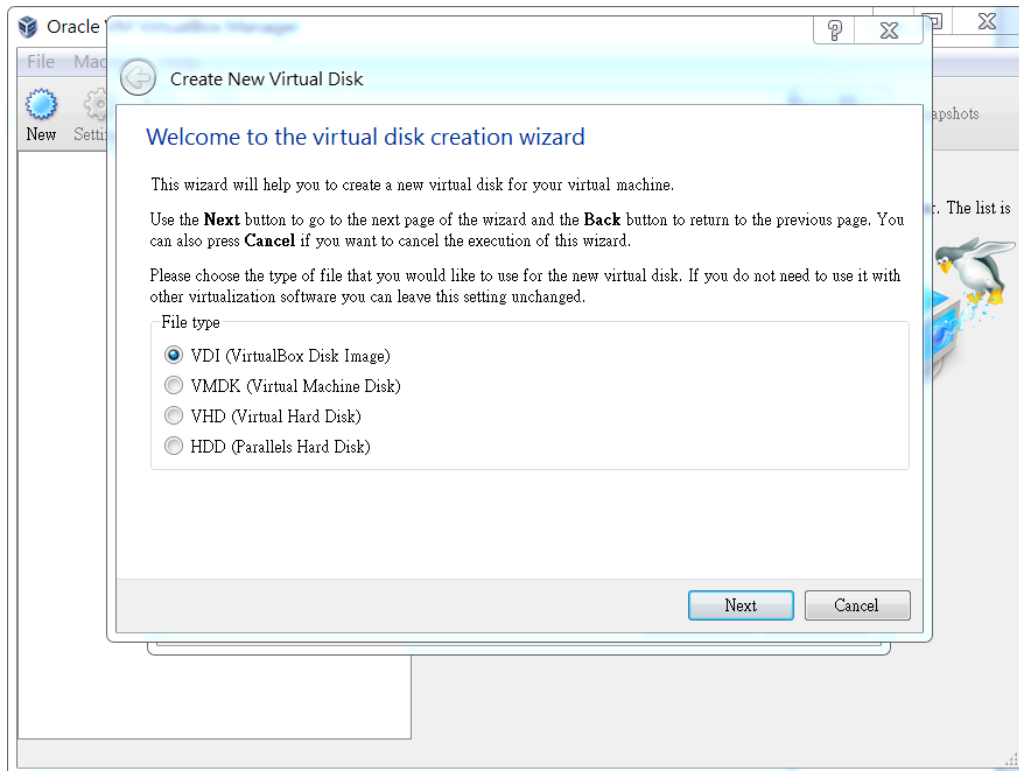


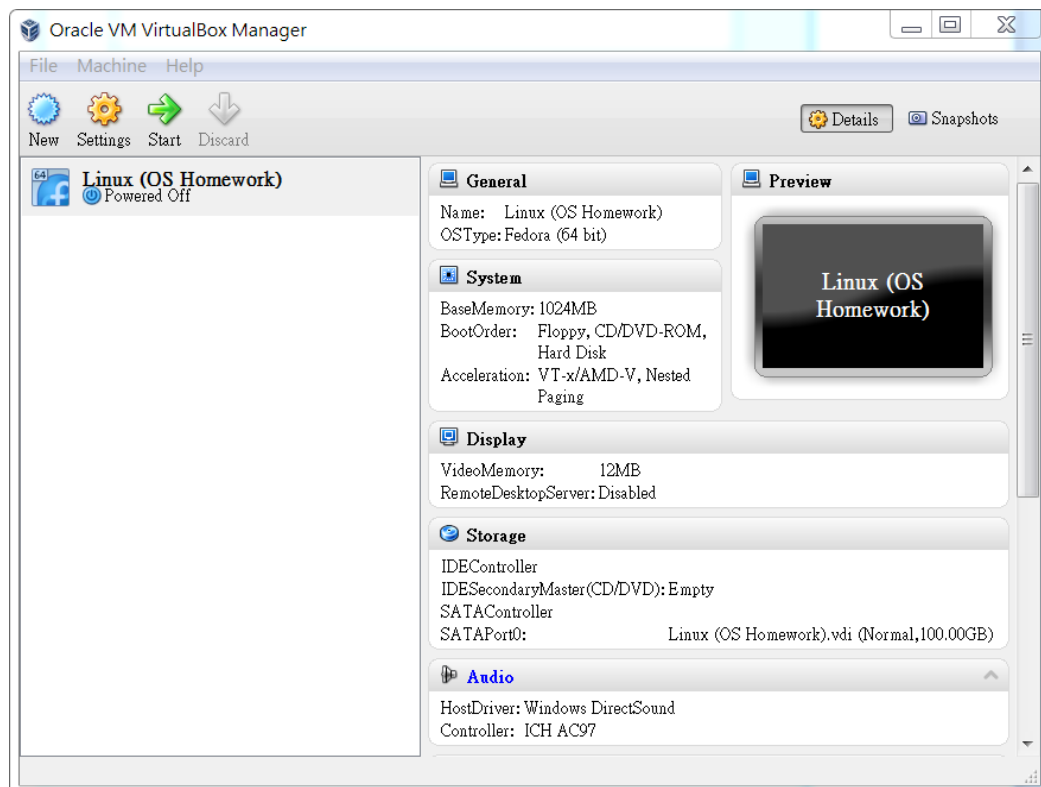
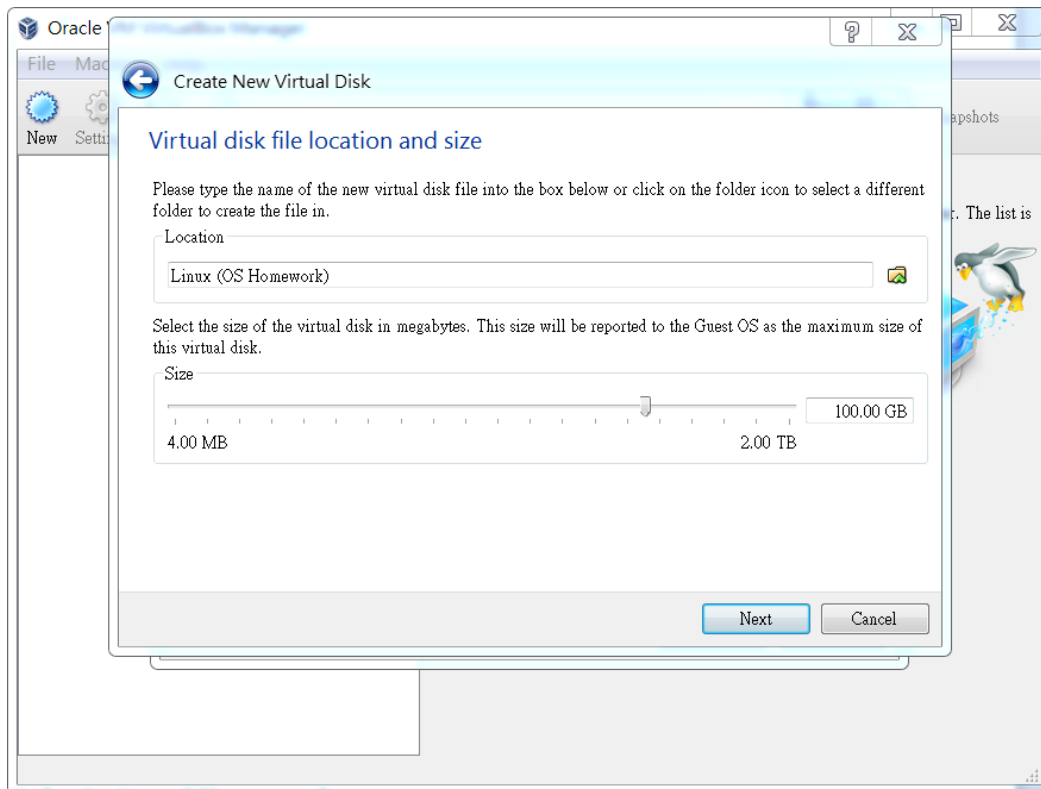
3. Choose an appropriate RAM size



4. Create a new virtual disk

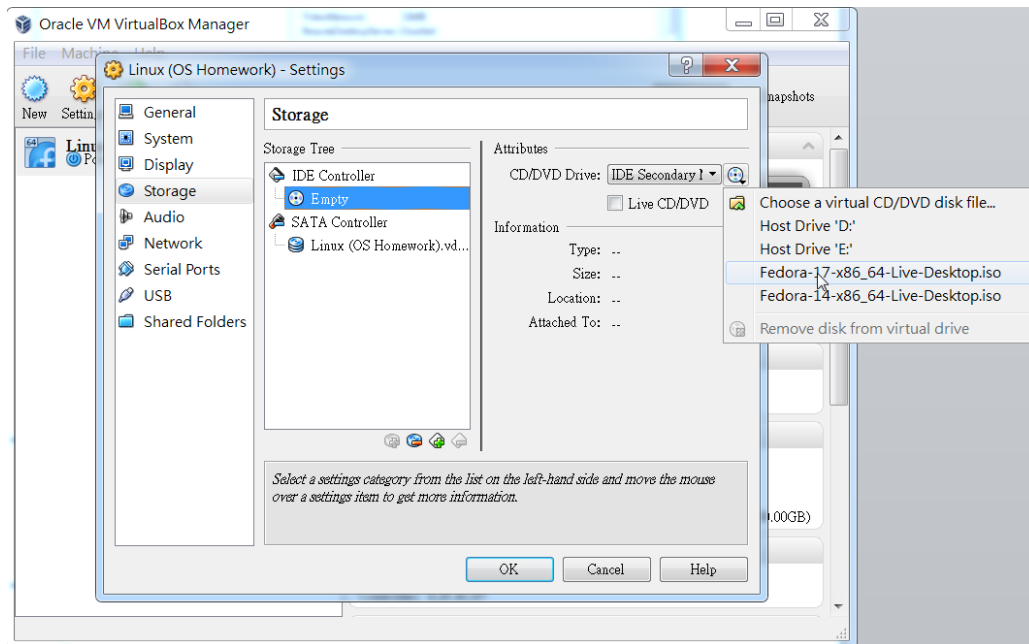




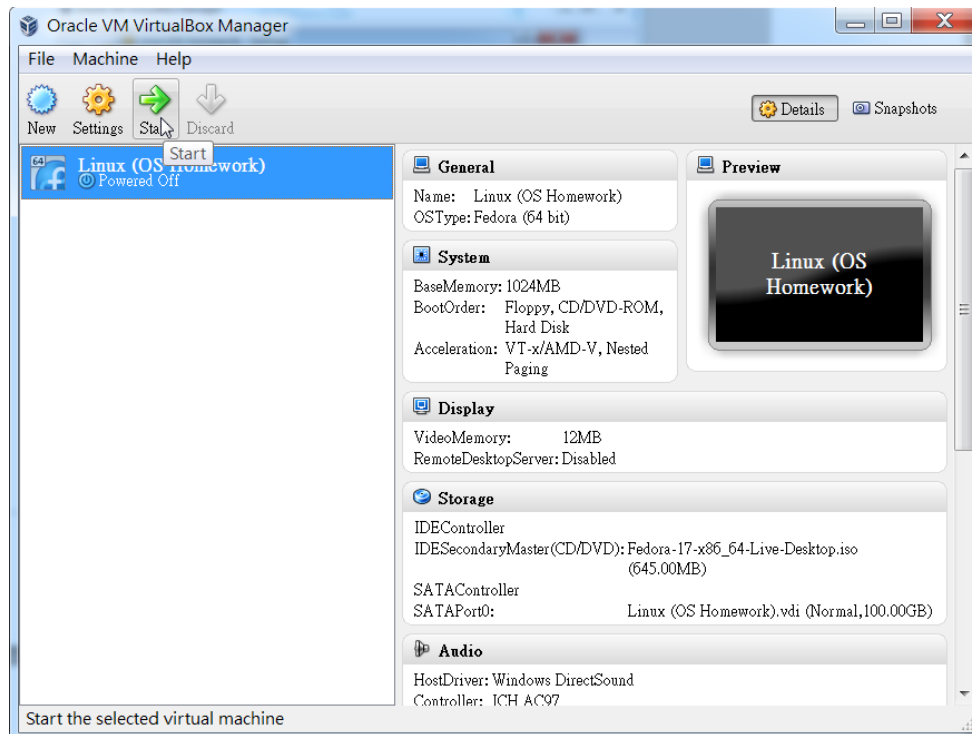


C. Installing Fedora Linux on the newly created VM

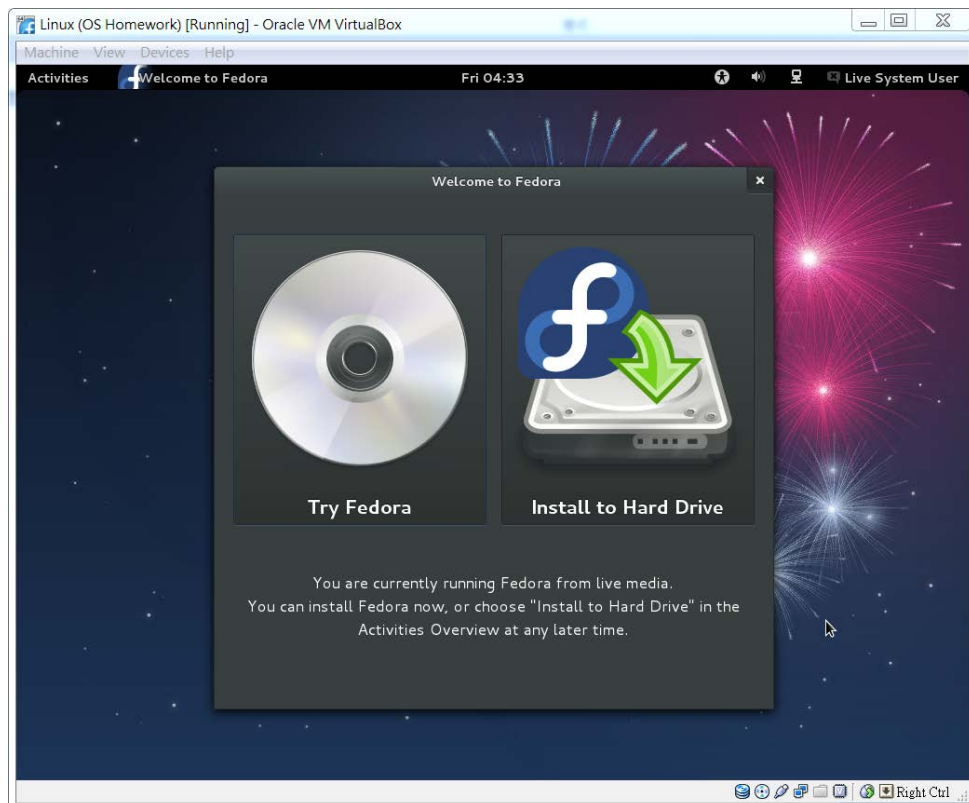
1. Get Fedora Core 17 x86_64 Live CD from
http://download.fedoraproject.org/pub/fedora/linux/releases/17/Live/x86_64/Fedora-17-x86_64-Live-Desktop.iso
2. Go to setting and mount the Fedora Core 17 live CD iso



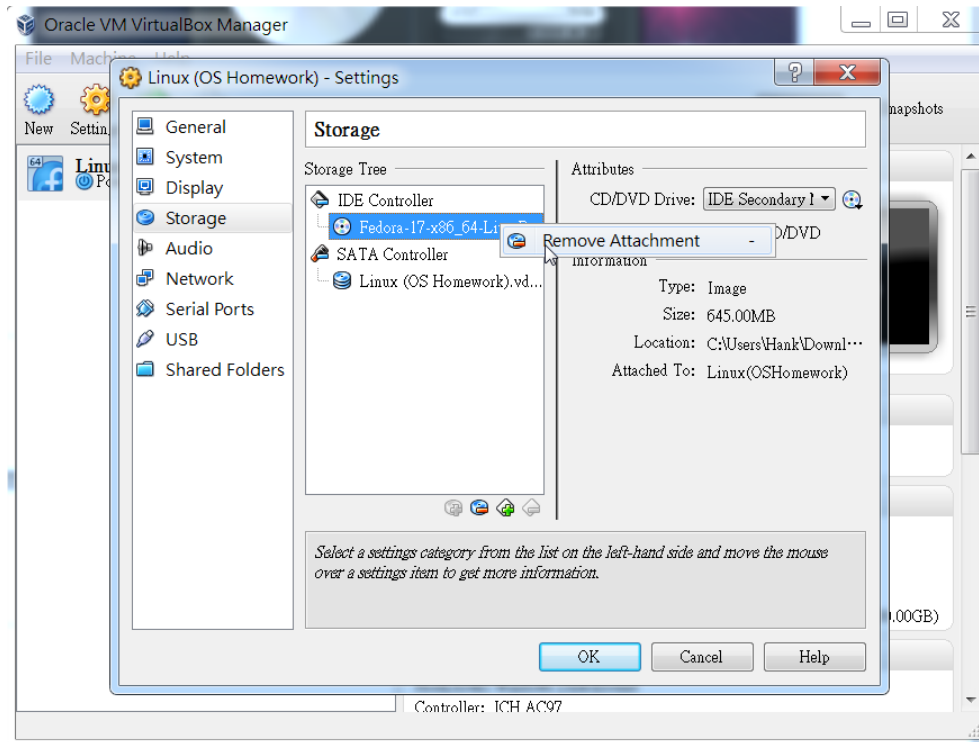
3. Click "Start" to boot the VM



4. Click Install to Hard Drive



5. Once the installation completes, you can shutdown the VM.
6. You can unmount the live CD iso.



- D. Start the VM to boot into Fedora Core 17 on hard disk.
- E. Get familiar with the environment. You can use the library to look for books on (Fedora) Linux systems. There are also plenty of free e-Books or resources you can find on the Internet such as

<http://www.e-booksdirectory.com/listing.php?category=415>

<http://linux.vbird.org/>

[https://fedoraproject.org/wiki/Fedora Project Wiki](https://fedoraproject.org/wiki/Fedora_Project_Wiki)

<http://www.youtube.com/watch?v=WkBpSvONXLw>

