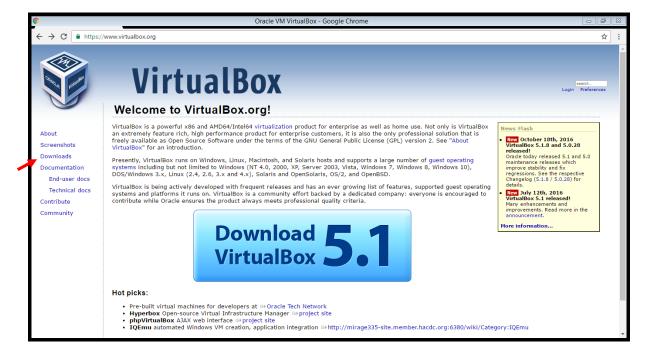
### **Exploring Linux** by Deepali Srivastava: Lecture 4

In this document we'll see the instructions for

- 1) Installing virtual box on Windows and creating virtual machine in it.
- 2) Installing the guest OS (Ubuntu linux) on the virtual machine.

## **Installing Virtual Box on Windows**

Go to the site - www.virtualbox.org

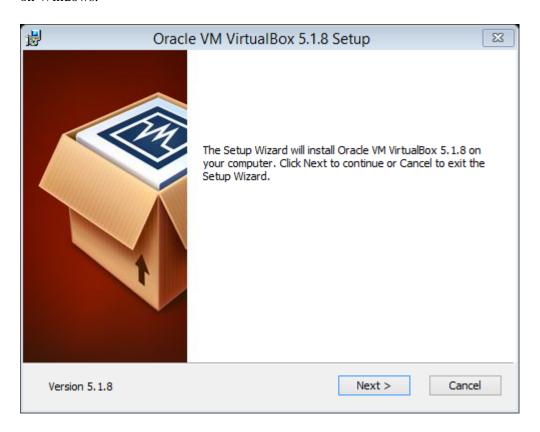


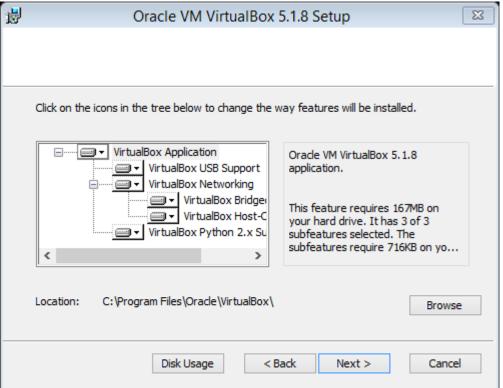
Click on Downloads in the left column.

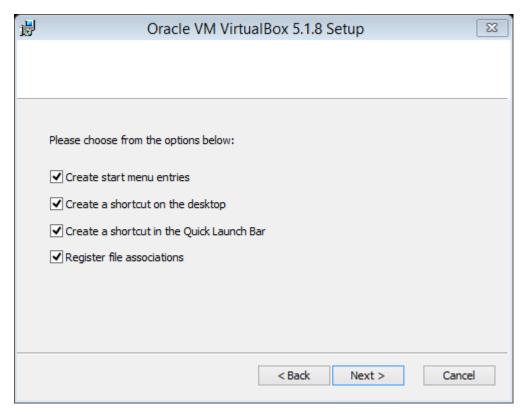


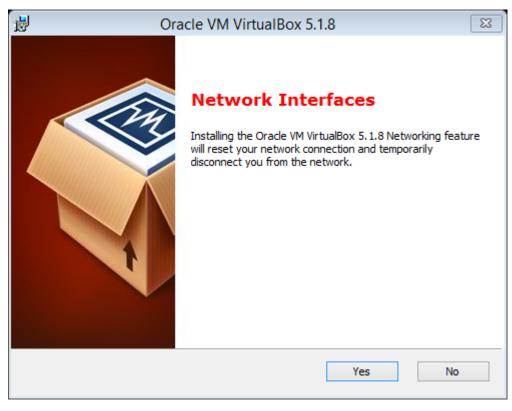
Download the correct .exe file for your operating system. For Windows select the one shown in the figure.

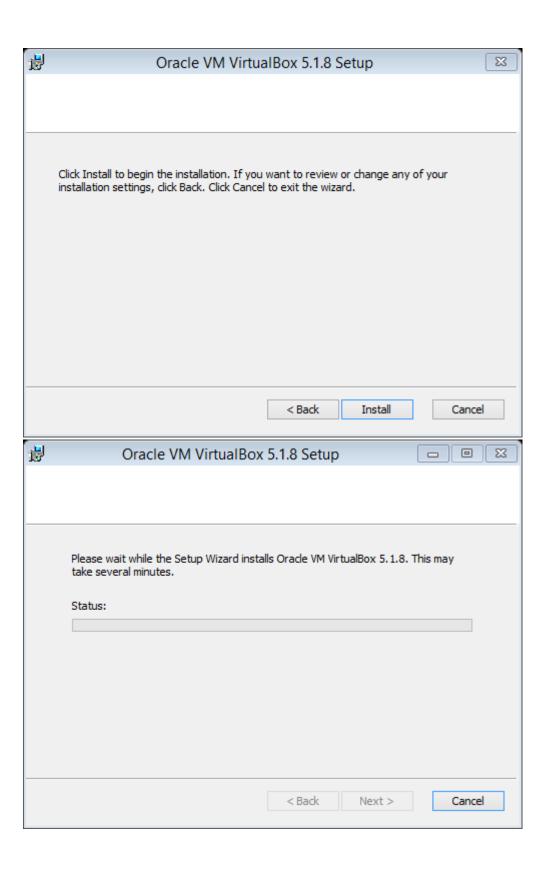
After downloading, run the executable file and follow the onscreen instructions to install VirtualBox on Windows.

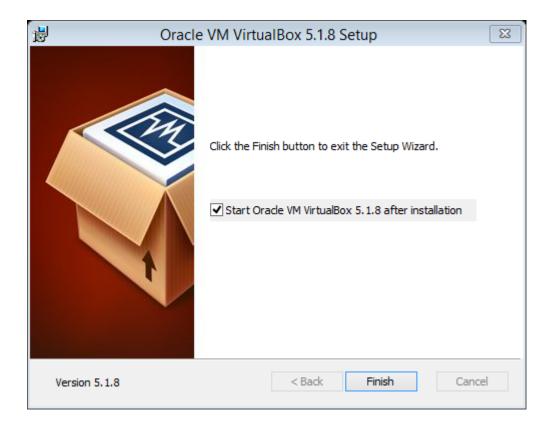








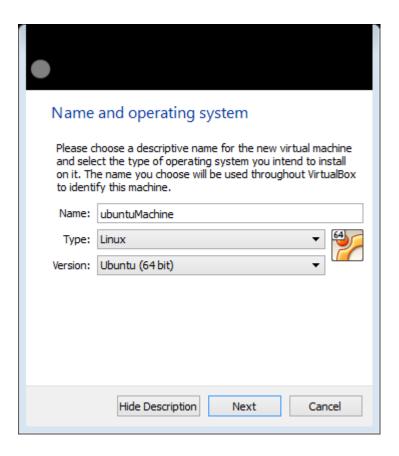




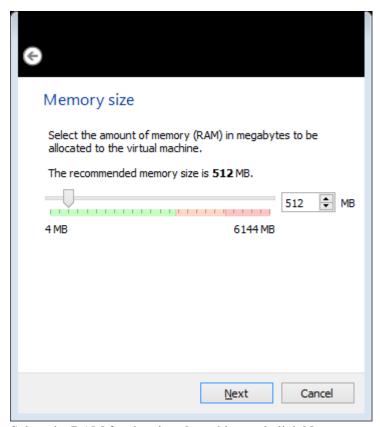
After finishing the installation, Run VirtualBox. The VirtualBox Manager appears and now you can create your virtual machines in it.



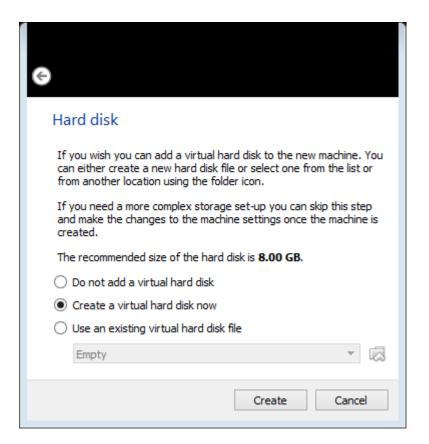
Create a new virtual machine by clicking on the New button in the virtual box window.



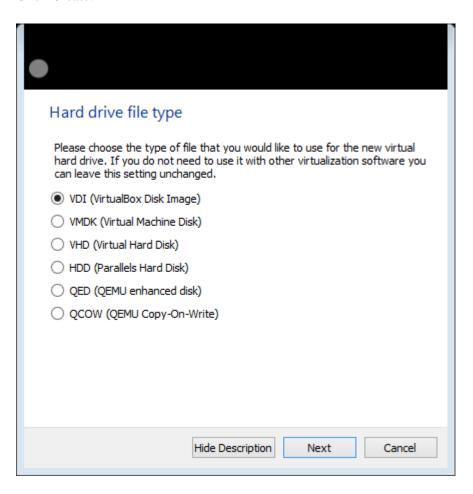
Type a name for the virtual machine, select the type and version of the guest operating system that you want to run on this virtual machine, and click Next.



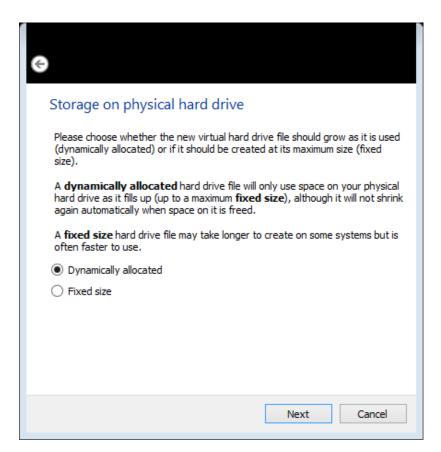
Select the RAM for the virtual machine and click Next.



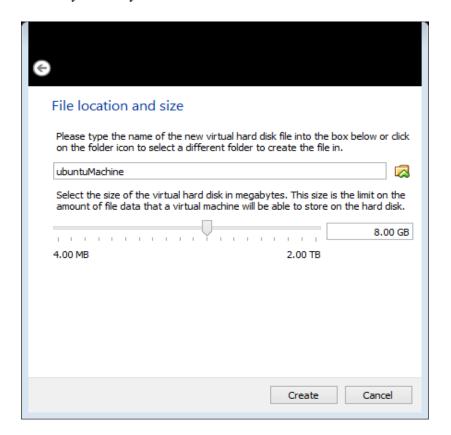
#### Click Create.



#### Click Next.

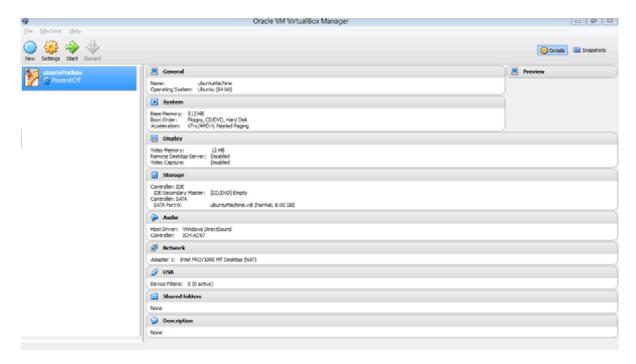


Select Dynamically allocated and click Next.



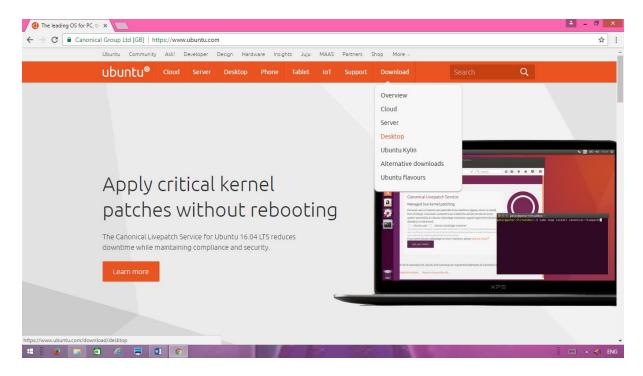
#### Click Create.

Now a new virtual machine is created inside the VirtualBox. We can see it in the left column. This new machine is in powered off state.

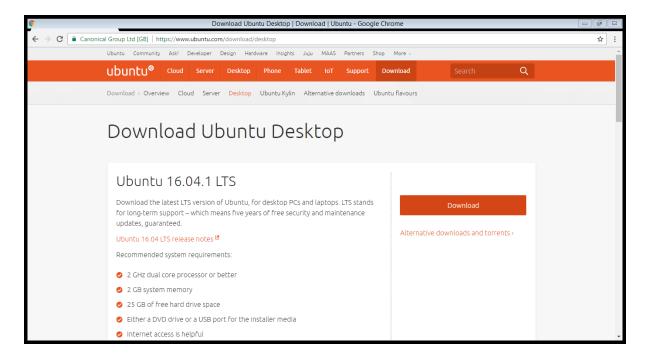


# **Installing Ubuntu on the virtual machine**

Go to ubuntu.com

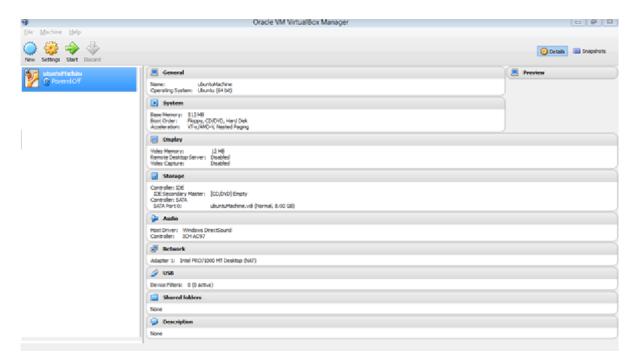


Select Desktop from Download Menu.

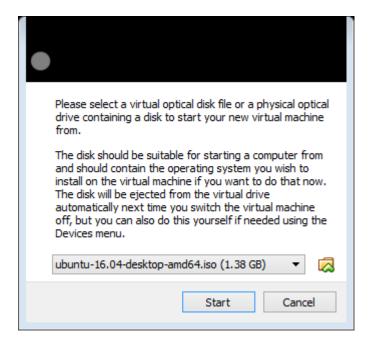


Download the Ubuntu ISO image file by clicking on Download.

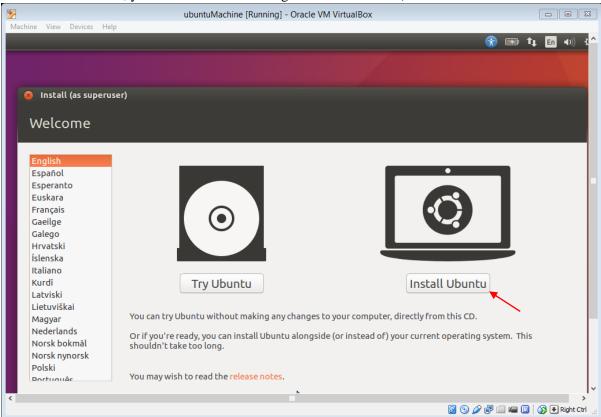
Open the Virtual Box Manager and start the virtual machine by double clicking on it or by selecting it and clicking Start button or by right clicking on the machine and selecting Start.



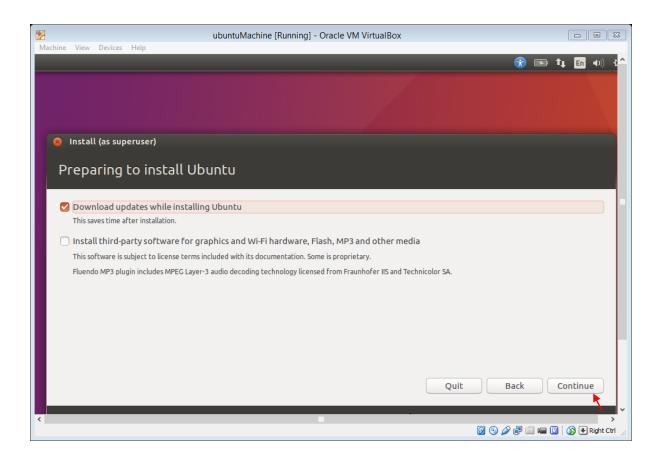
This is the first time you have started your virtual machine, so you will see a dialog box to choose the disk image you want to use for installing the guest OS.

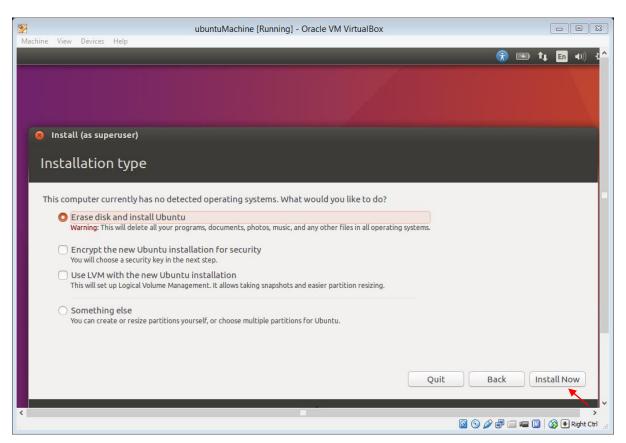


Select the Ubuntu image that you had downloaded and click Start. (If you want to install some other distribution of Linux, you can download its image and select it here.)



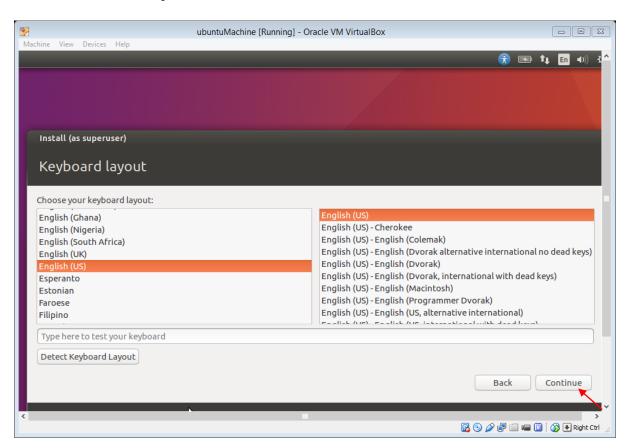
Click on Install Ubuntu.

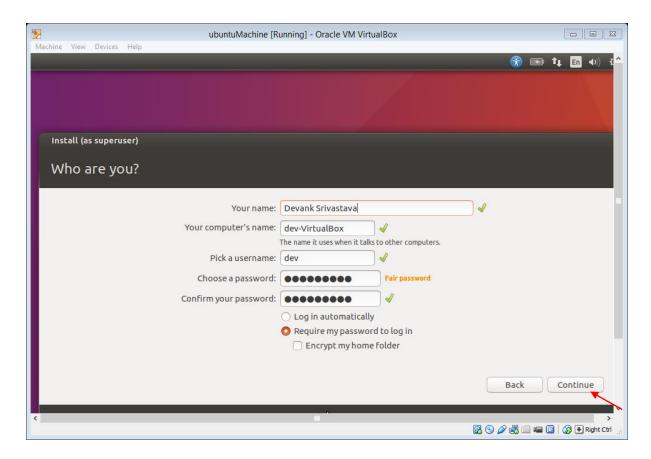




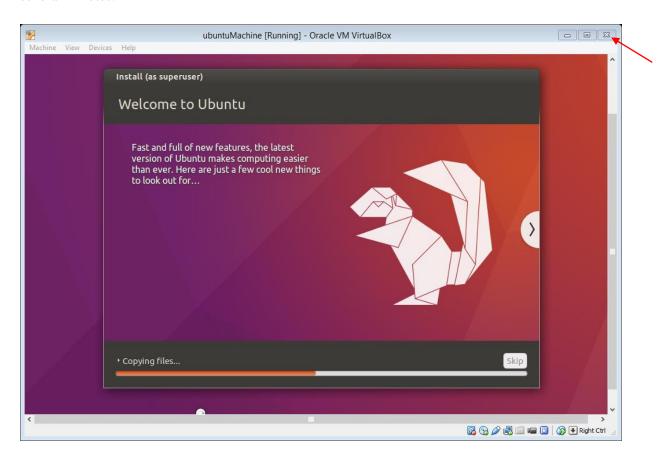


Select the time zone and press Continue.

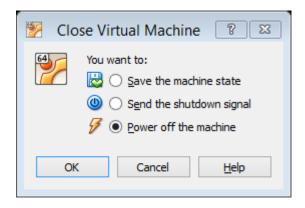


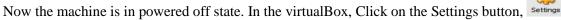


Enter the name, user name, and password and click Continue. Installation will start and will take several minutes.



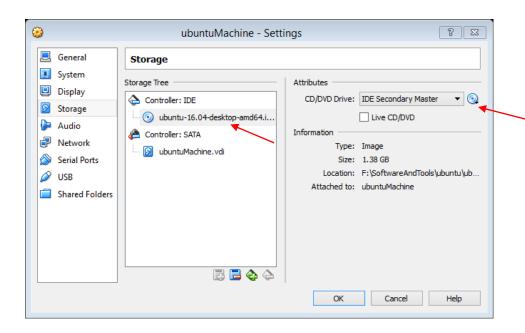
Close this window, power off the machine.

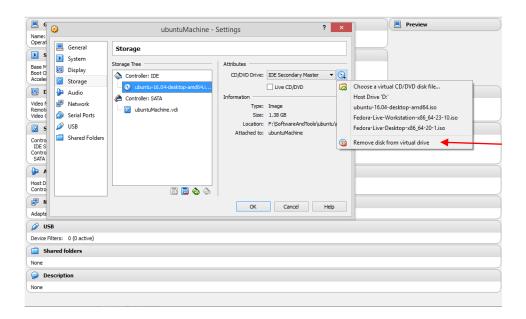




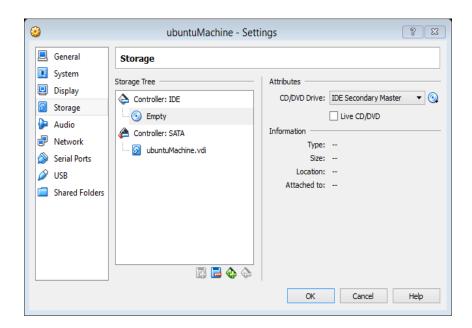


Select the Storage tab, highlight on the disc image in the panel named Storage Tree, then in the right panel click on the disc icon

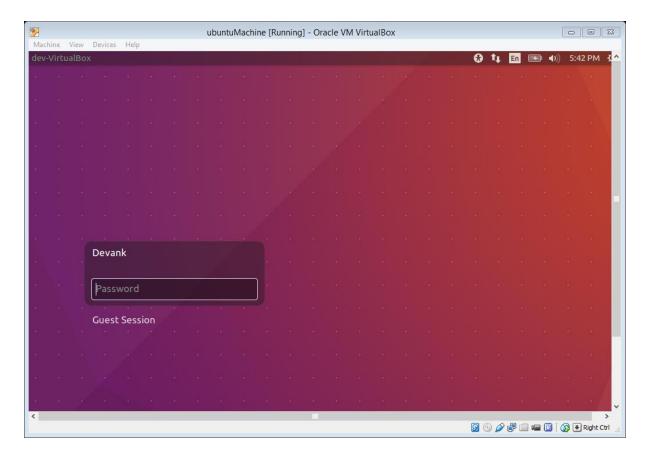




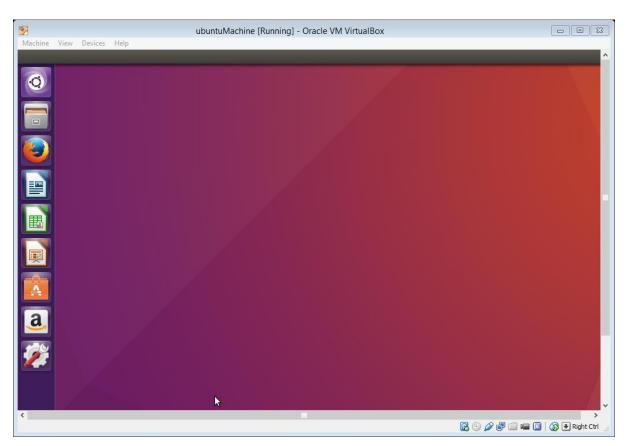
Click on Remove disk from virtual drive.



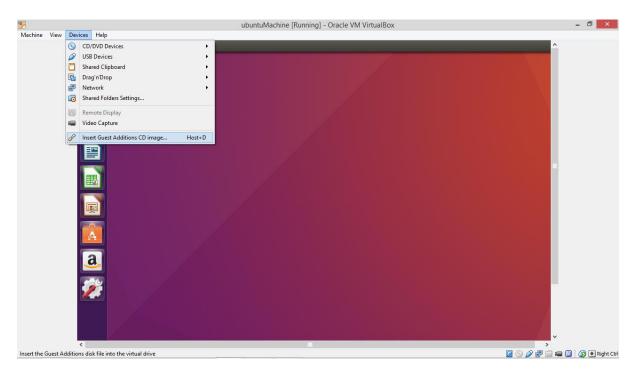
Start the machine. You will be asked to enter the password.



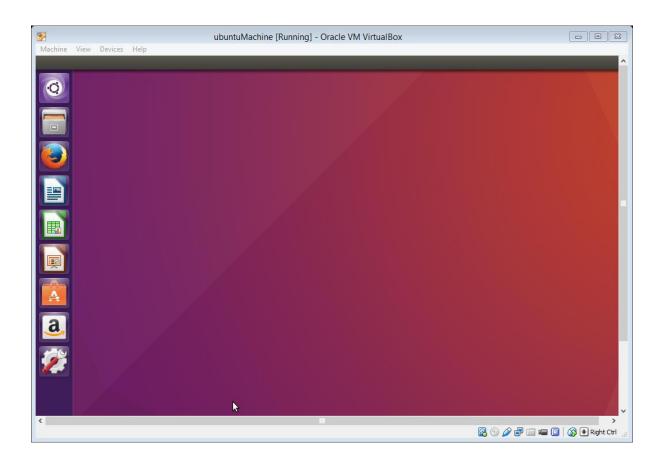
After entering the password, you will get this screen.



To install the guest additions, Select Devices -> Insert Guest Additions CD image.



After this, power off the machine and start again.



On the Ubuntu Desktop, you can see a list of applications on the left.

There is a search button on the top left [9], to search for an application you can click on it.

There is a file manager , similar to Windows Explorer

Firefox web browser ,

LibreOffice Writer which is a word processing software similar to MS Word,

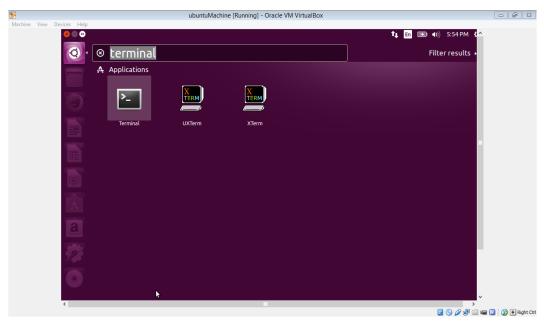
LibreOffice Calc which is a spreadsheet software similar to MS Excel,

LibreOffice Impress which is a presentation software similar to MS PowerPoint,

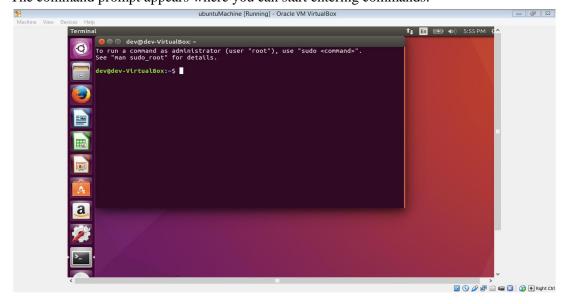
Ubuntu software to install and update Ubuntu applications,

Settings to change various system settings, similar to Control Panel in Windows

To access the Command Line interface, you need to open a terminal console. Click on the search icon on the top in the left column, type terminal and then open the terminal by clicking on the search result.



The command prompt appears where you can start entering commands.



To exit the terminal application, type exit.

To shutdown, click on the gear icon on the right hand corner and select Shutdown.