**Intended Audience**

Users looking for resources to setup ‘Operating System’ in Virtual Box

**Purpose**

Simple steps to setup Oracle Virtual Box, Linux Operating System on Virtual Box

**Prerequisites**

* Computer with internet connectivity
* Specs: Windows OS(windows XP or latest any Windows), 2GB RAM, 1TB HDD(recommended)

**Steps**

1. Download the latest binaries version of ***Oracle Virtual Box*** from <https://www.virtualbox.org/wiki/Downloads>
2. Install the ***Virtual Box*** and Start the application
3. Download the ***Ubuntu Linux Operating System*** from <http://www.ubuntu.com/download/desktop>

‘Ubuntu 14.04.4 LTS’ is recommended because it has 5 years of support and security updates

1. Open ***Oracle VM VirtualBox Manager***
2. Click ***New***
3. In Create Virtual Machine feed the following information,
   1. **Name** as **“Ubuntu VM”**
   2. Select **Type** as **“Linux”**
   3. Select **Version** as **“Ubuntu (64-bit)”**
   4. Click **Next**
4. Select
   1. Memory size - **“2048” MB - *Next***
   2. Hard disk type - **“Create a virtual hard disk now” - *Next***
   3. Hard disk file type - **“VDI (VirtualBox Disk Image)” - *Next***
   4. Storage on physical hard disk - **“Fixed Size” – *Next***
   5. Click on ***Create*** button
5. Once the process is completed, Select **“Ubuntu VM”** on theright panel and click **Settings** on top panel
6. Select **Storage**
7. Under “**Controller : IDE”**, select **“Empty”**
8. Under **Attributes** – > **Optical Drive –** click onthe*small icon*thathasa tool tip saying **“Choose a Virtual Optical disk or a physical drive to use with the Virtual Drive”**
9. Select **“Choose Virtual Optical Disk File..”** option, select the **‘*.iso’***file and click **‘OK’**
10. Double click **“Ubuntu VM”** on theright panel again
    1. We should be able to see the boot loader screen of Ubuntu getting loaded in a window
11. Once complete, select **English** as preferred language(since the instruction are in English) and then click on **“Install Ubuntu”** button
12. Ensure the requirements that are mentioned in the follow up screen
13. Check **“*Download updates while installing*”** checkbox and click ***continue*** button
14. Select **“Erase Disk and Install Ubuntu”** option and click on **Install Now** button
15. Select **Region, Keyboard layout** and provide your details and set **Password** for login
16. Select either **Login Automatically** or **Require my password to login** andclick ***continue*** button
17. Once the installation process is completed, click **“Re-start Now”** button.

**Additional Tips**

* Once the Basic configuration in the *Step 7* is complete, then you may directly double click **“Ubuntu VM”** on the right panel and then select the disk image file to continue with *Step 14*
* In *Step 20*, if you don’t find a restart now button, then simply confirm if the setup is complete and then restart

**Tracker or Document Repository**

GitHub

<https://github.com/nikhilGitrepo/CloudComputingMSCS621L711.git>

**References**

Read about Virtualization and its need and scope @ <https://www.virtualbox.org/manual/ch01.html>

Virtual Box downloadable resources: <https://www.virtualbox.org/wiki/Downloads>

One more guide: <http://www.psychocats.net/ubuntu/virtualbox>