# Linux Installation 6.3(64bit)

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- ✓ Install Oracle VirtualBox
- ✓ Create a Virtual Machine
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**Introduction**

Windows users looking to use Linux for the first time will find it beneficial to try it out in a virtual machine.

The pros for installing Linux in a virtual machine include:

The ability to try a version of Linux without affecting the Windows host machine

The virtual Linux operating system will perform the same way as it would when installed to the physical hard drive

Software installed into the virtual machine remains intact and can be used even after a reboot.

The virtual machines can be backed up and restored easily so if you mess up it isn't so much of an issue

**Install VirtualBox**

Navigate to the downloads folder on your computer and double click on the VirtualBox installer.
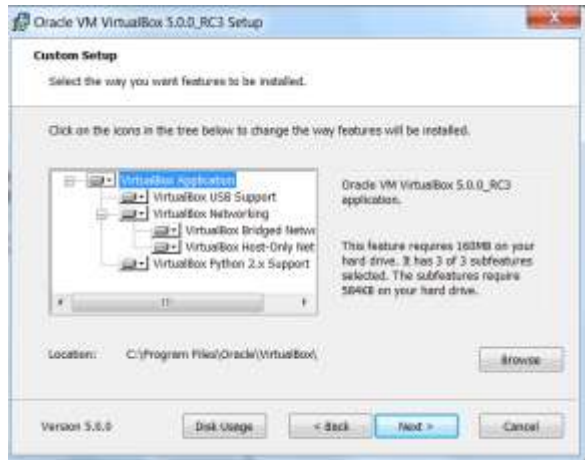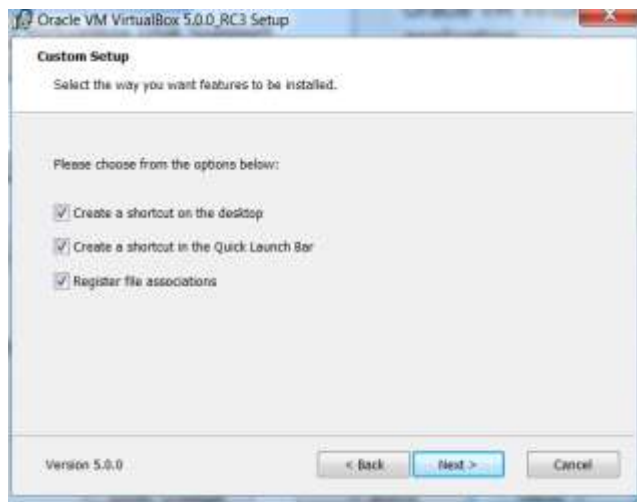
Welcome screen

 Click "Next"

Click "Next" to move on

Click "Next" to move on

Click on yes
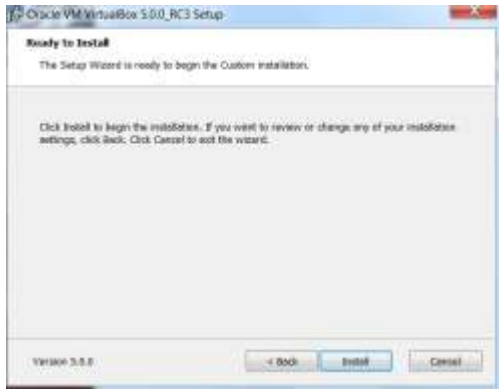
You are now ready to install Oracle VirtualBox.

Click "Install" to start the installation.

Click on finish

Accept All Warning

During the installation you may be asked for permission to install the application and your antivirus and firewall software may request permission to install VirtualBox.

**Create a Virtual Machine**

Introduction
Virtual Box allows you to run an entire operating system inside another operating system.

Start VirtualBox and click the "New" button on the toolbar. Click the "Next" button on the first page of the Virtual Machine Wizard.
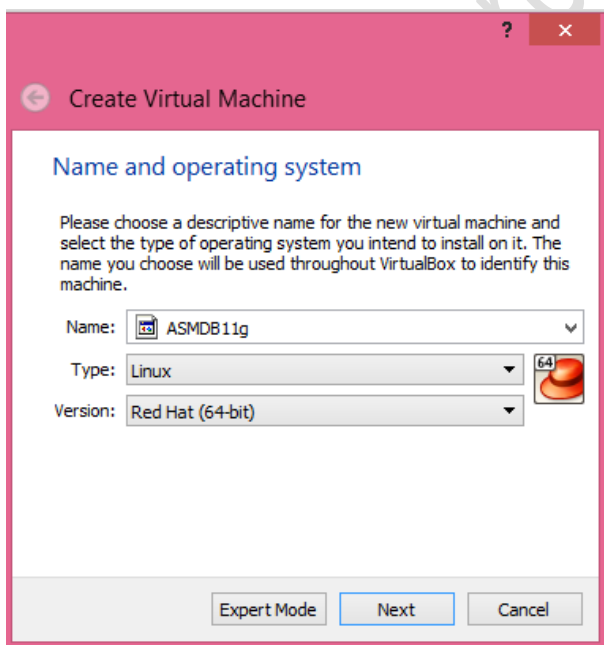




Click on Next

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Note: Make sure you choose the correct version. You must choose 32-bit if your host computer is a 32-bit machine. If you are using a 64-bit machine you can choose either 32-bit or 64-bit but obviously 64-bit is recommended

If you have 32 GB of RAM in your host system, then set Base Memory to 3072 MB, otherwise use 2048 MB, as in the screenshot below, then click the "Next" button:
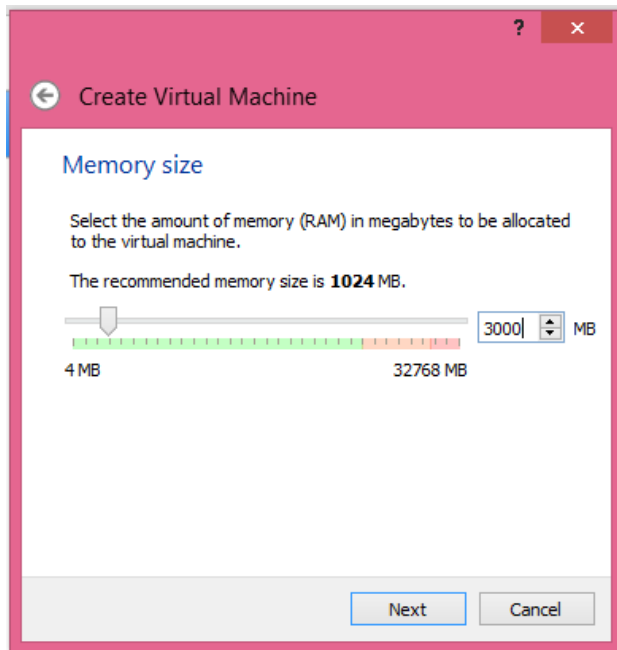
Accept the default option to create a new virtual hard disk by clicking the "Next" button:
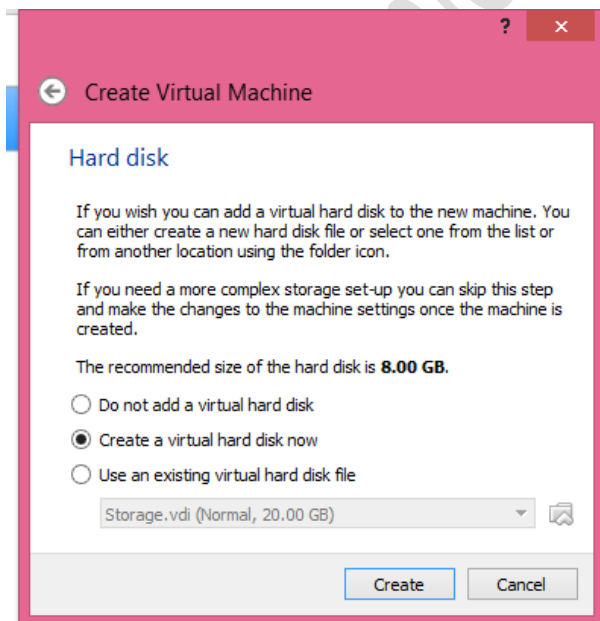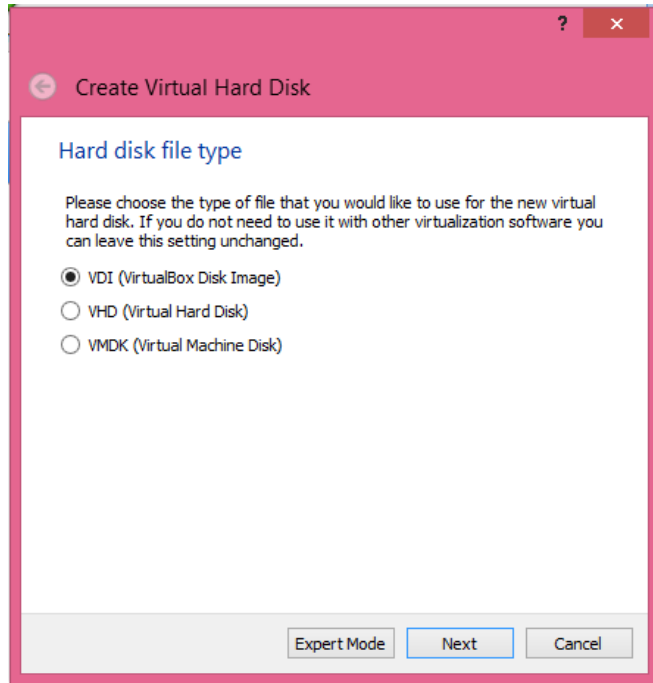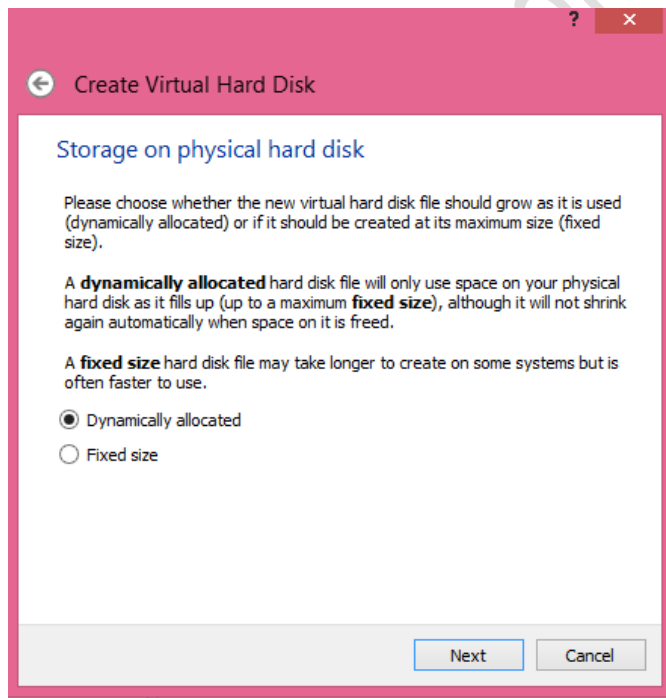
Accept the default VDI type and click the "Next" button on the Virtual Disk Creation Wizard welcome screen:



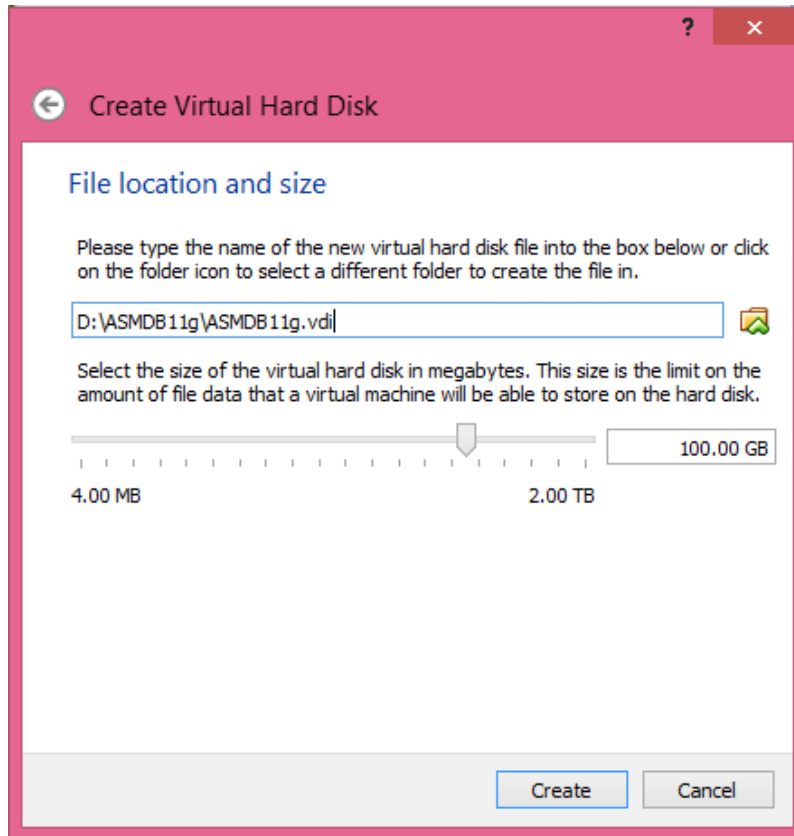Accept the default "Dynamically allocated" option by clicking the "Next" button:
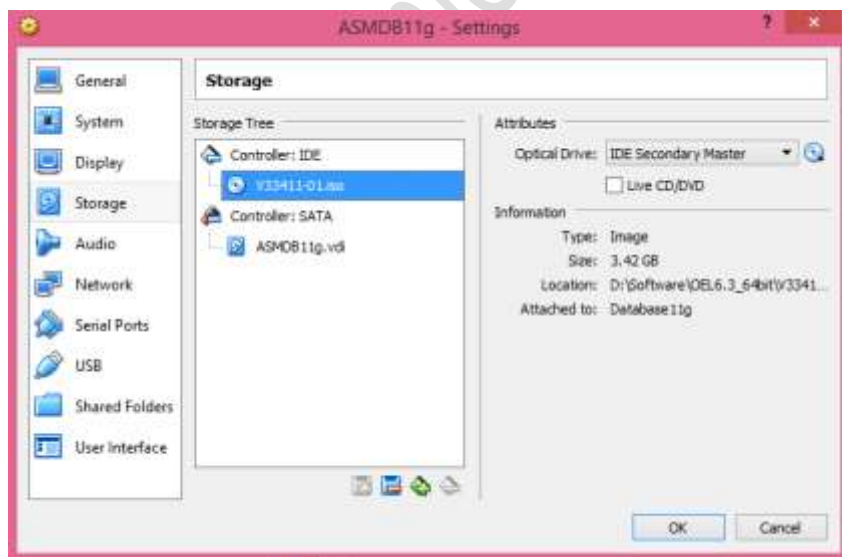
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Select the vdi file location

Press the "Create" button on the Create New Virtual Machine Summary screen:

In "Attributes" section click on the DVD disk icon and choose DVD .iso file. Note that name of the file shows in the Storage Tree. Then press 'OK":

## Linux Installation
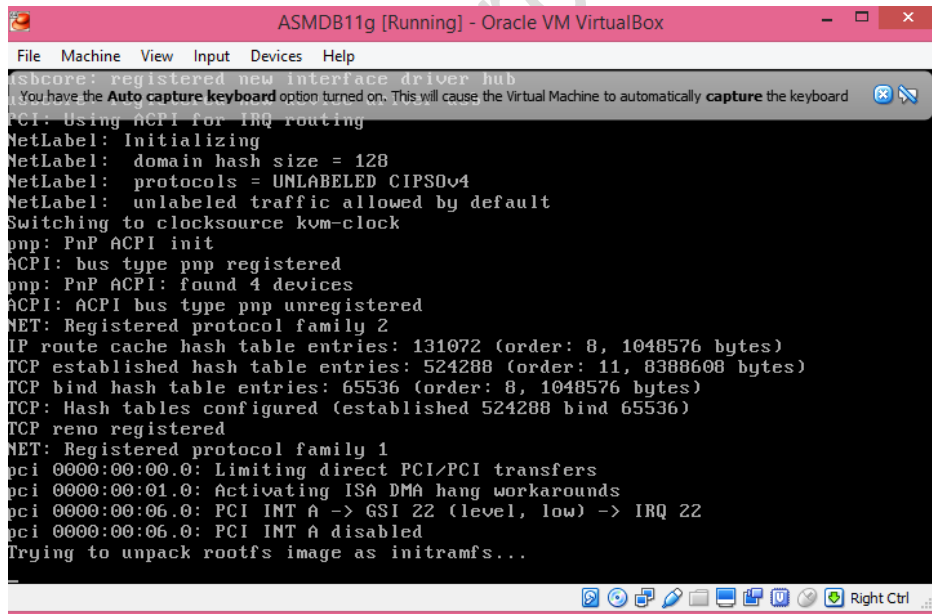
Do not perform the media test. Choose "Skip" button:

Start the virtual machine by clicking the "Start" button on the toolbar. The resulting console window will contain the Oracle Linux boot screen.
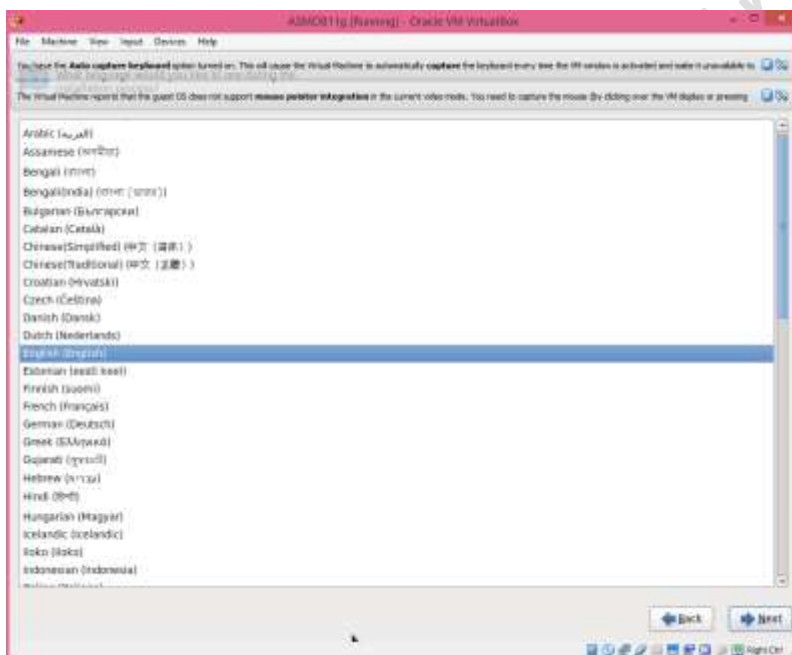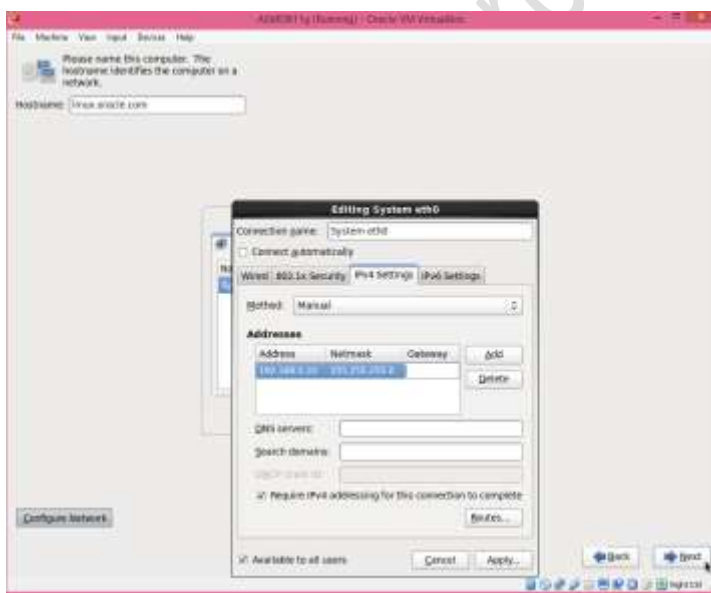
Click on next



Click on next

Click on next

Click on yes, discard any data and next

Enter Hostname and press on configuration network then enter ipaddress.
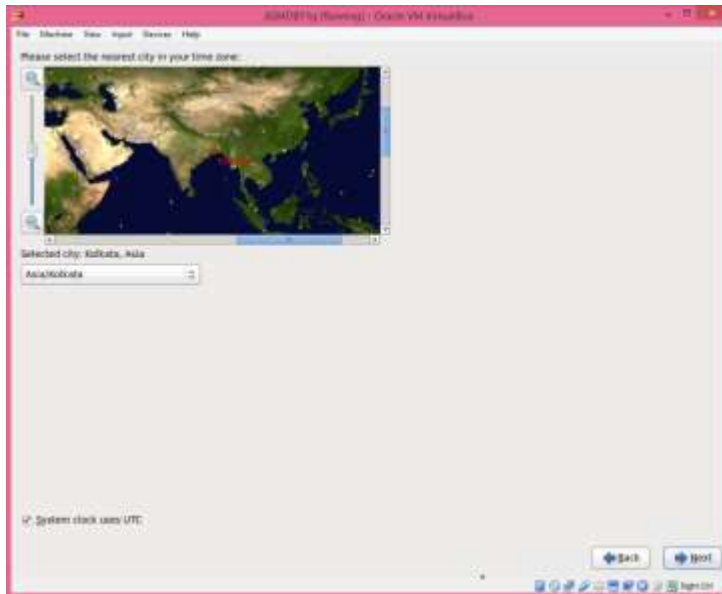
Select the Asia/Kolkata
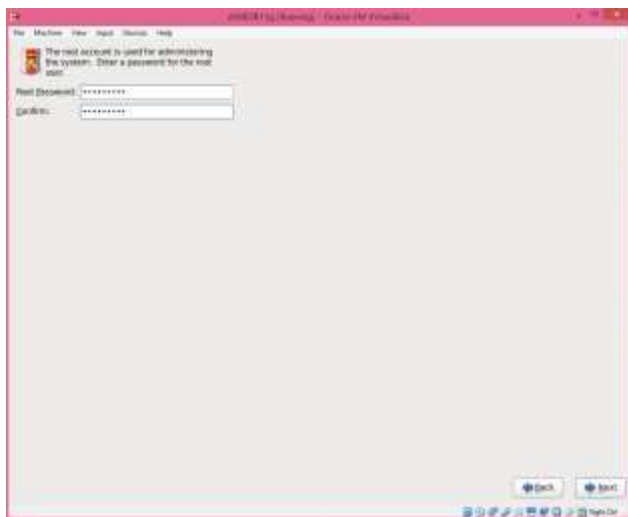
Enter root password

Click on use anyway

Select Create custom layout and next
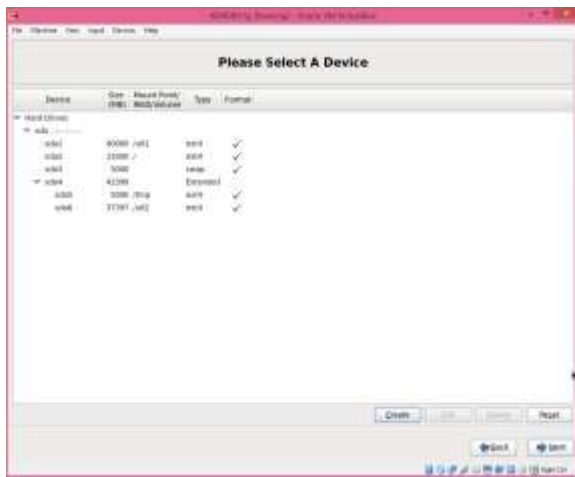
Click on create and

Then create the Linux mount points.

## Format Warnings

⚠ The following pre-existing devices have been selected to be formatted, destroying all data.

/dev/sda          partition table (MSDOS)

[ Cancel ]   [ Format ]

Select format

## Writing storage configuration to disk

⚠ The partitioning options you have selected will now be written to disk. Any data on deleted or reformatted partitions will be lost.
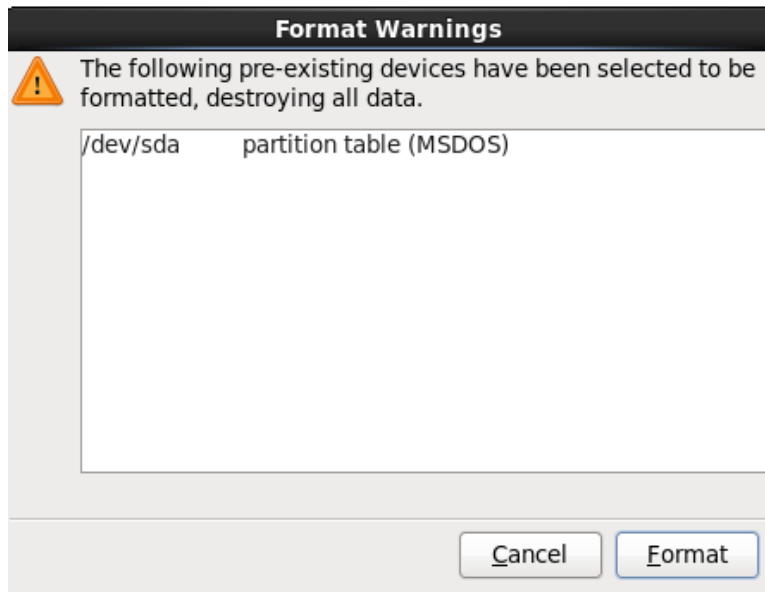
[ Go back ]        [ Write changes to disk ]
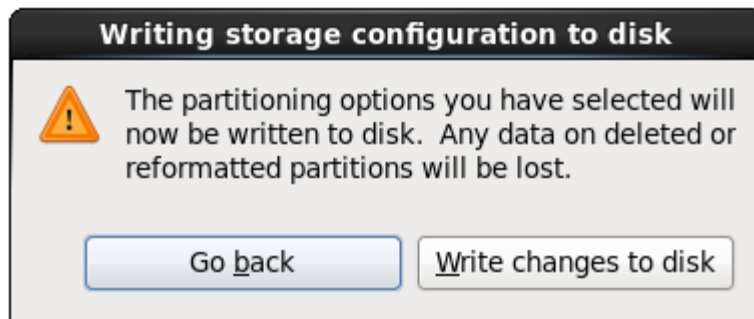
Select write changes to disk

Click on next

Select customize now



Select RPM's
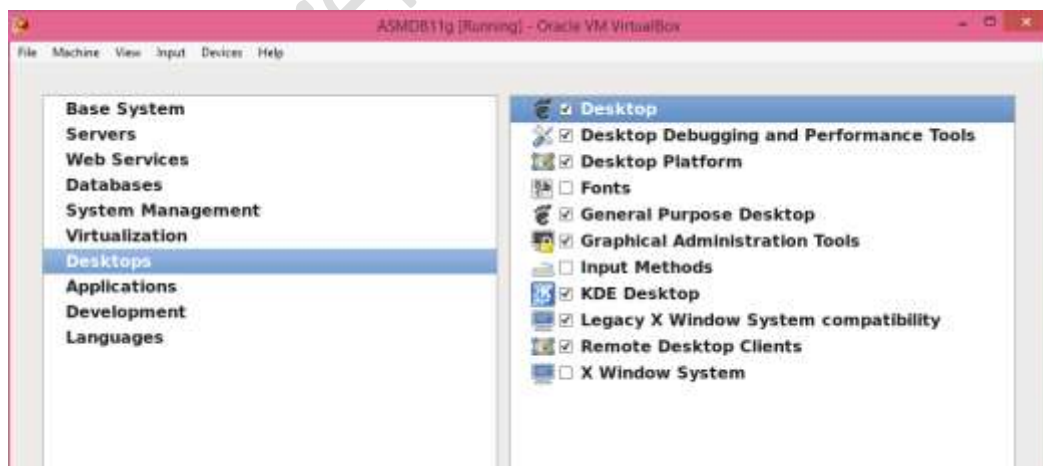


Select RPM'S
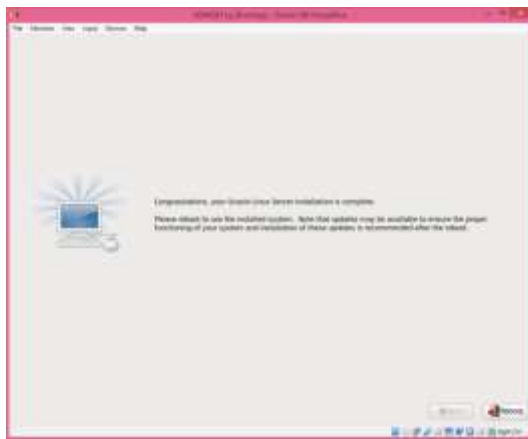
Click on Reboot


Click on Forward

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Click on Forward


Click on Forward

Don't create 'oracle' account, this will be done later..

Click on Forward
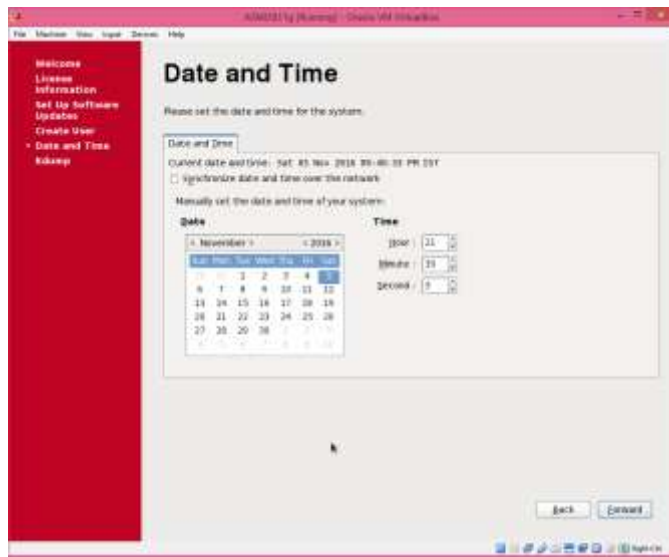

Click on Forward



Press on Finish

Congratulations! The Linux has been installed

**Install Guest additions.**

Guest Additions are optional, but highly recommended. Guest Additions allow better integration of mouse support and clipboard bidirectional copying. Another important feature is support of shared folders making files in Host OS visible to Guest. The remaining of this document assumes that Guest Additions are installed.

In order to install Guest Additions, reboot just created VM, login as root. Then in the window menu select Devices | Install Guest Additions. Go through the download until you see DVD Autorun screen:
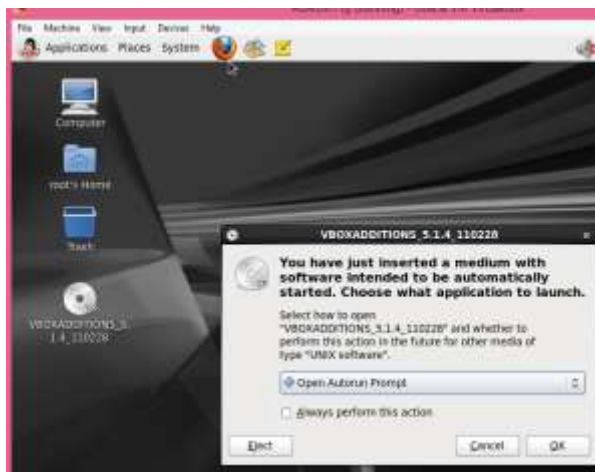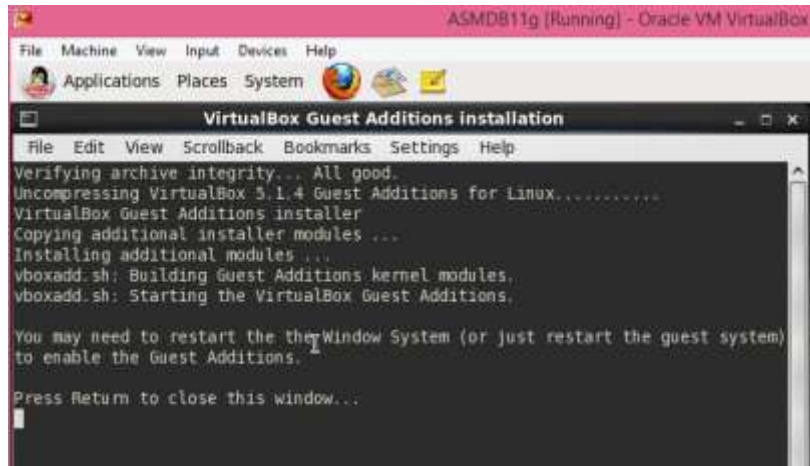
 Press on OK
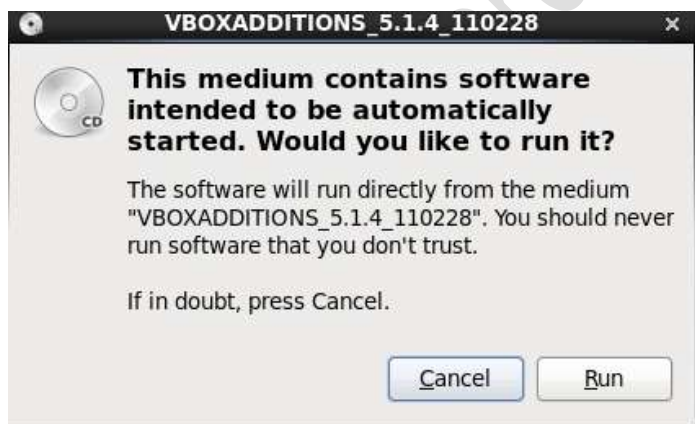


Press "Run" to start installation.

Note. If the installation is fail complaining on missing kernel-uek-devel package providing a 'yum' command to install this package. Run this command - that's why we need Internet access. Also install another package: 'yum install gcc'. Then reinstall Guest Additions by double-clicking on VBOXADDITIONS DVD icon on the desktop, and clicking "Open Autorun Prompt" button.

Reboot the machine. Now you should be much happier about the VirtualBox!

**Disable the firewall:** Linux Main menu | System | Administration | Firewall. Click on "Disable" icon, then on "Apply".