Batch: B-1	**Roll No.: 1711074**
Experiment / assignment / tutorial No._____	
Grade: AA / AB / BB / BC / CC / CD /DD	
Signature of the Staff In-charge with date	

Batch: B-1	**Roll No.:1711074**	**Experiment / Assignment / Tutorial No.: 1**

Title: Introduction and installation of Linux Operating System.

Objective: Use of VMware for installation of Ubuntu OS.

CO1: Understand the fundamentals of Open Source environment

Expected Outcome of Experiment:

1. Understand the fundamentals of network administration with Open source.

Books/ Journals/ Websites referred:

1. https://help.ubuntu.com/10.04/serverguide/network-configuration.html
2. http://www.yolinux.com/TUTORIALS/LinuxTutorialNetworking.html

Pre Lab/ Prior Concepts:

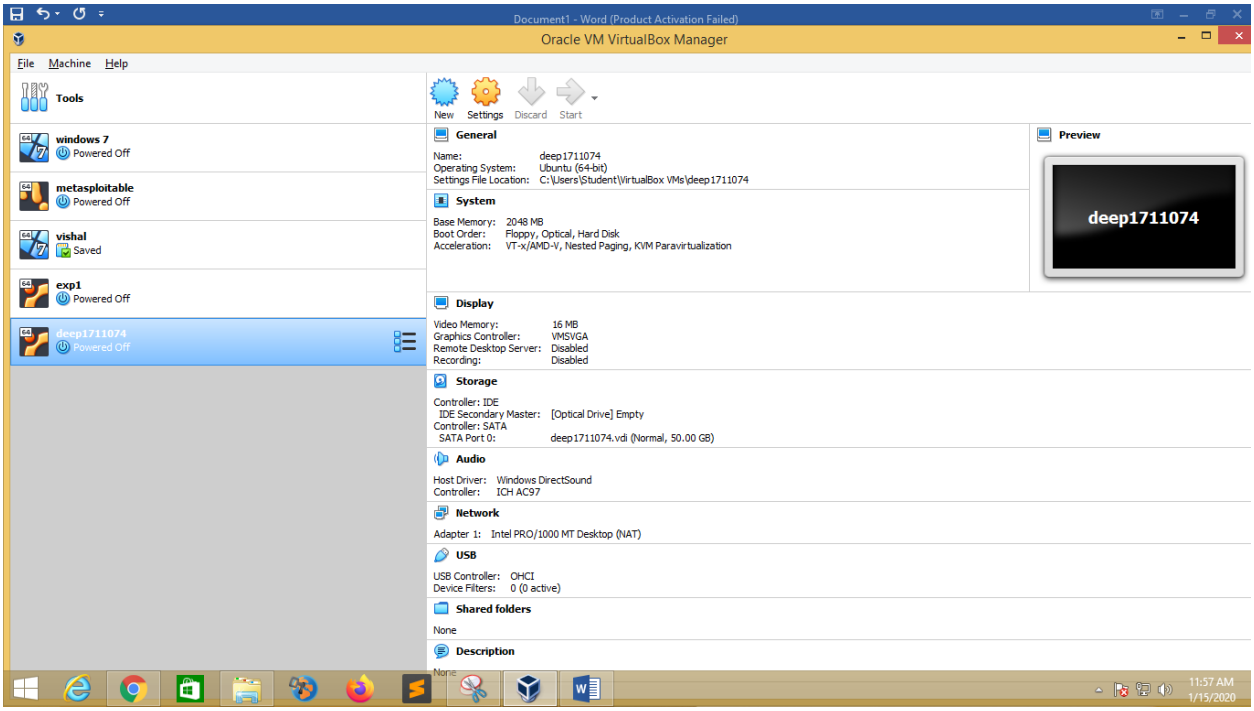
Ubuntu is a computer **operating system** based on the Debian Linux distribution and distributed as free and open source software, using its own desktop environment.

Implementation details:

Installation Steps:

INSTALLING UBUNTU ON WINDOWS:-

Open ORACLE VM BOX and create a new virtual machine by clicking on **New.**

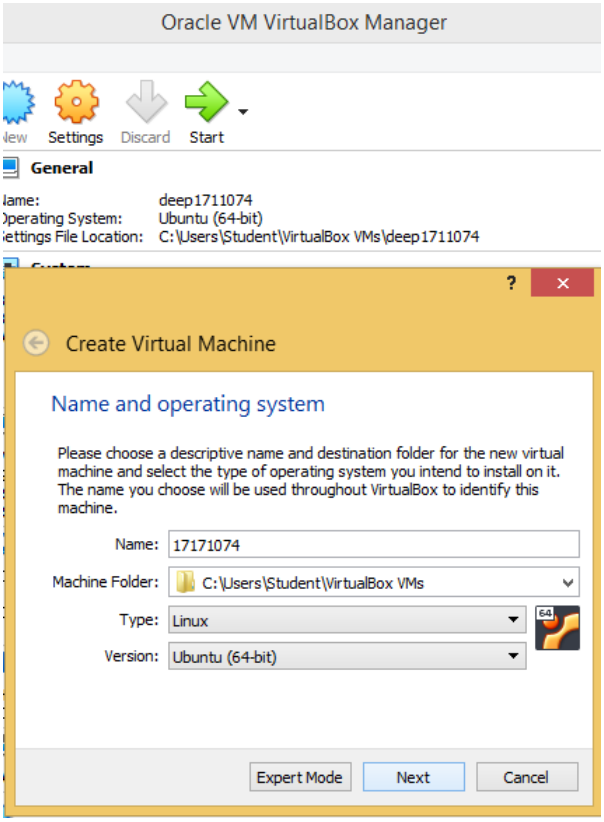


Enter the name of the machine and select the type of software you want to install.

Here the installed software is of LINUX.

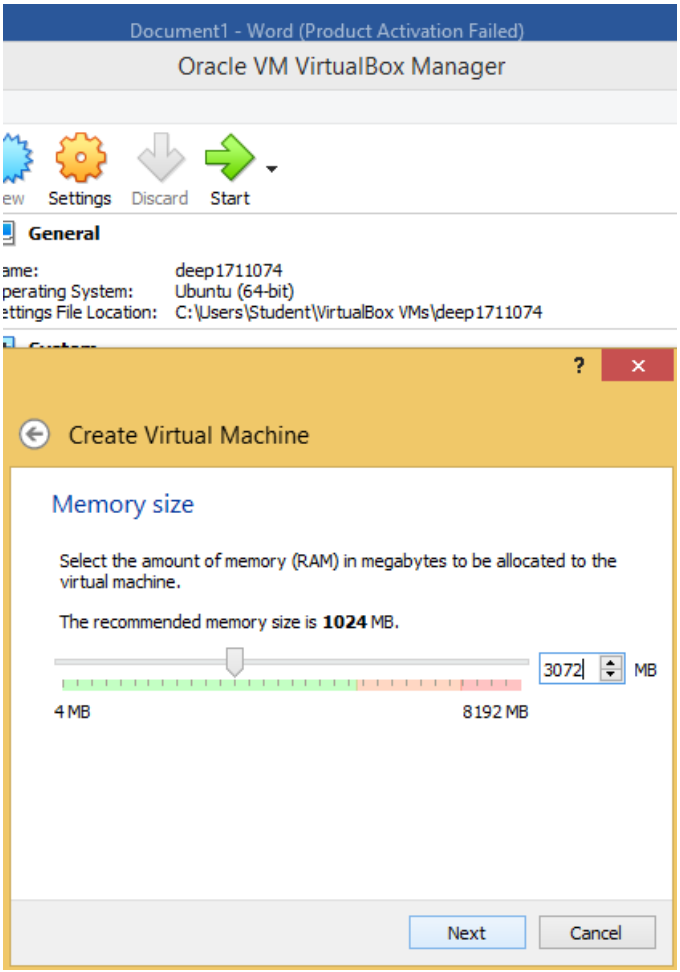
Upload the version you want to install on the virtual machine.

Here the version to be installed is Ubuntu (64 bit).



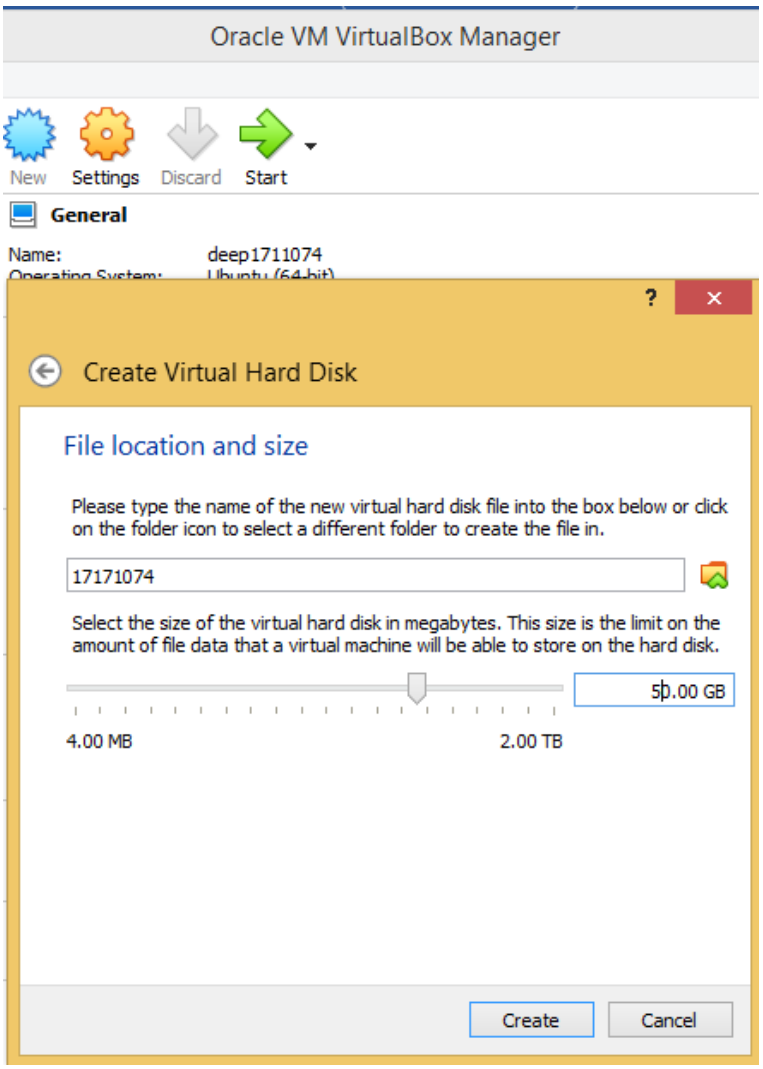
Assign memory size to the machine.

Here 3072 MB has been assigned.



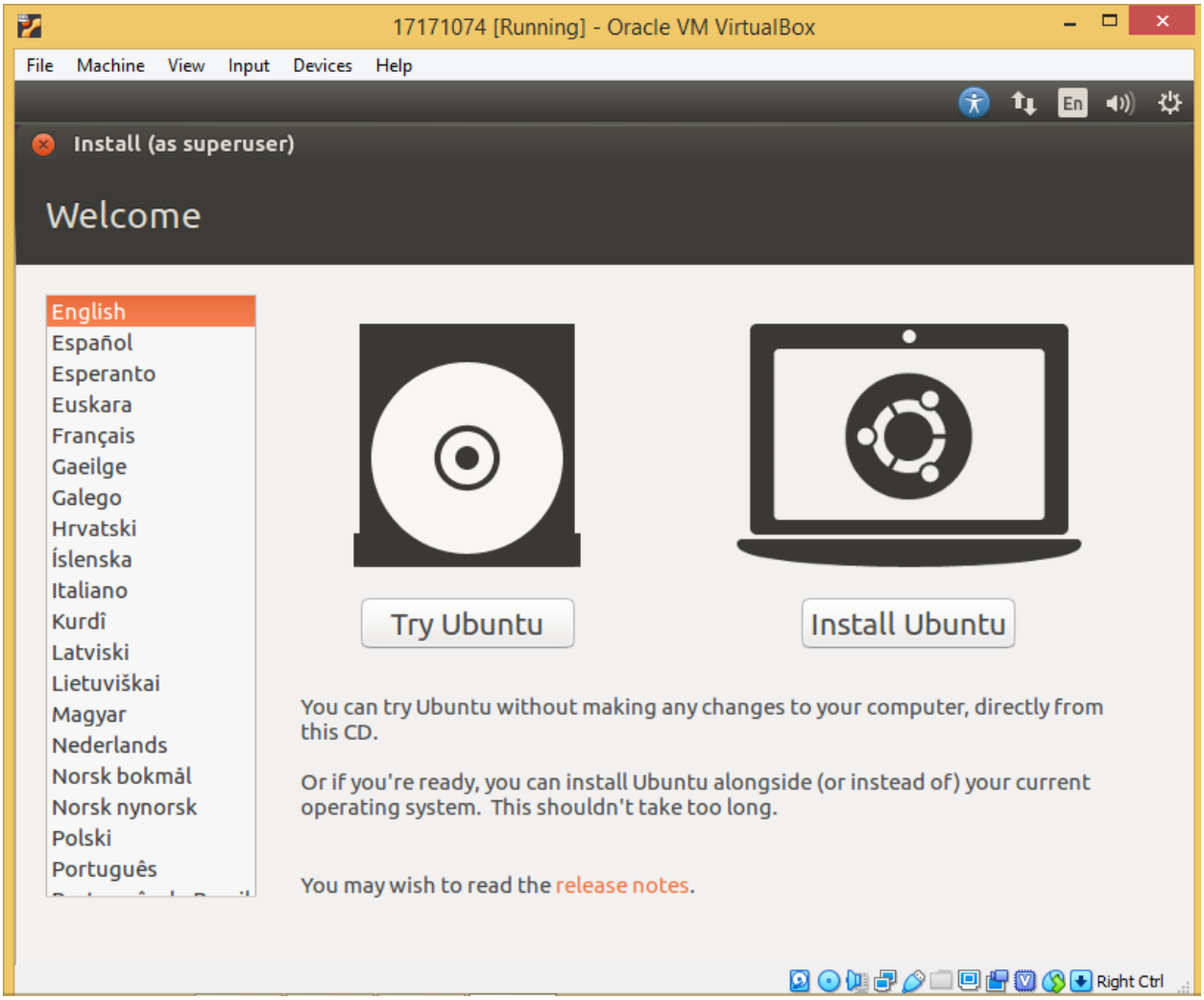
Select the virtual hard disk size.

Here 50 GB has been selected.



Install Ubuntu by clicking Install Ubuntu.

Here Ubuntu (any software) can also be tried without making any changes to the disks.



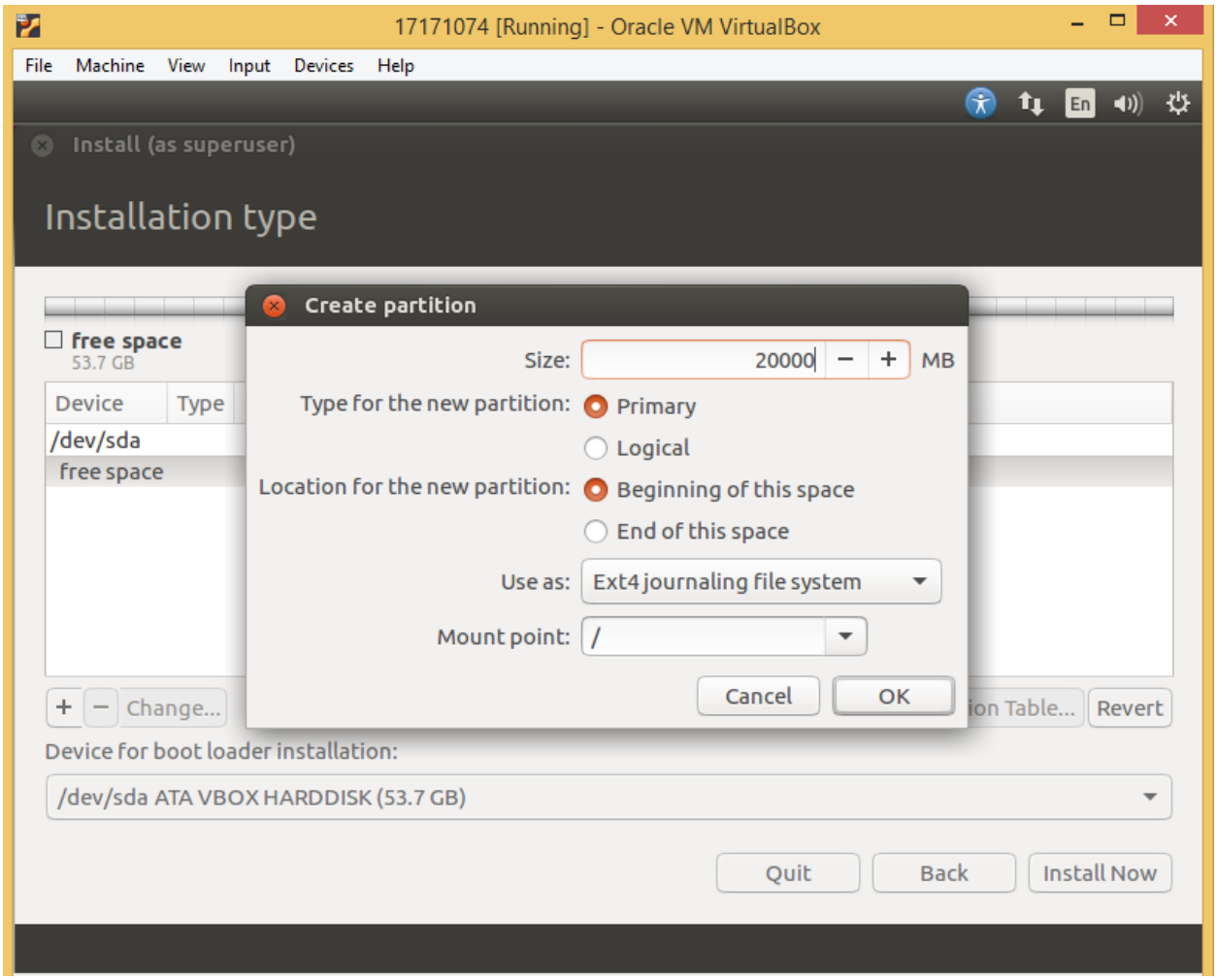
Make partitions for root directory, home directory and swap area.

20 GB is assigned to the root directory.

It is used as Ext4 Journaling File System.

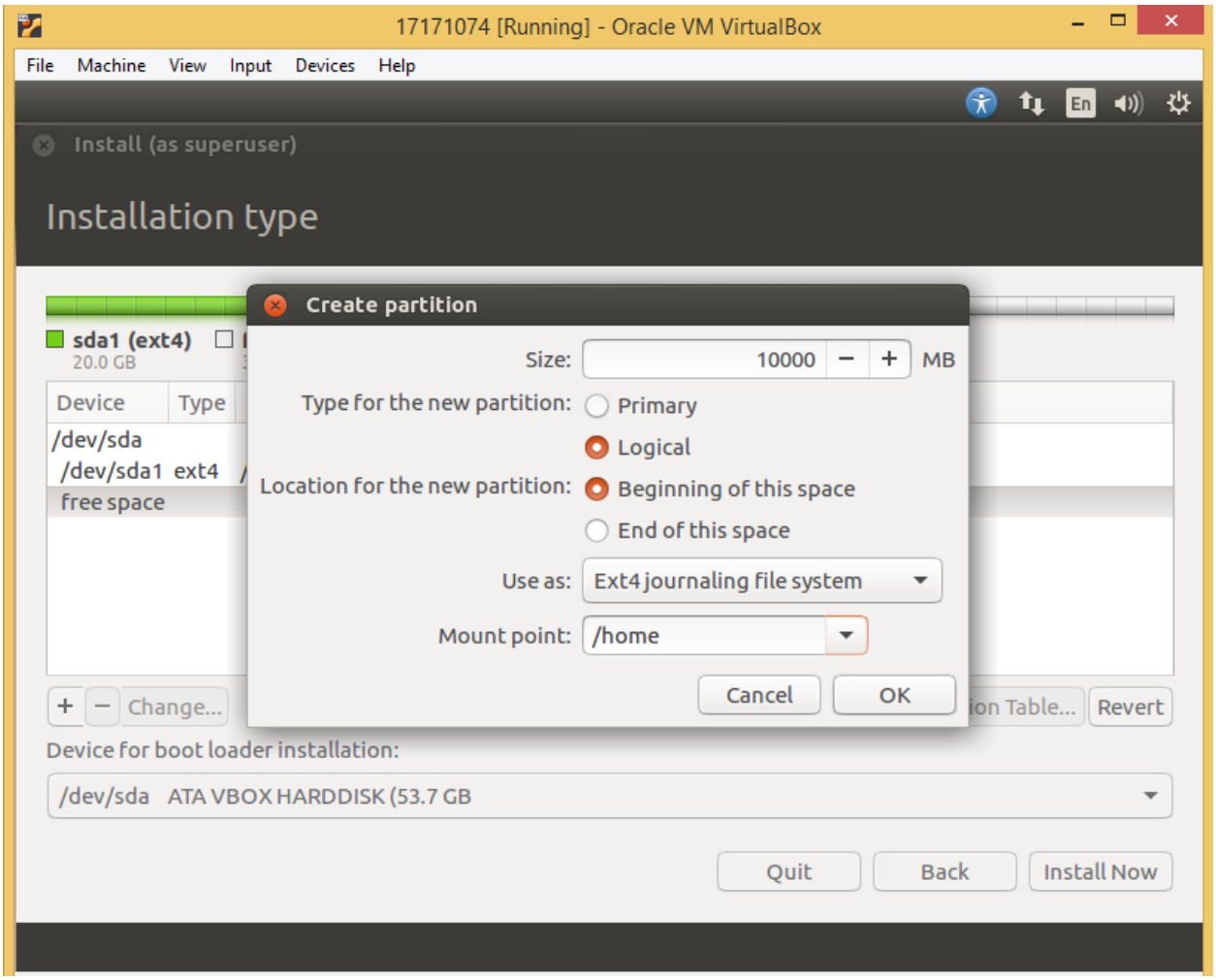
A journaling filesystem is a filesystem that maintains a special file called a journal that is used to repair any inconsistencies that occur as the result of an improper shutdown of a computer.

Ext 4 is a successor for Ext 3 version.



10000 MB is being assigned to the home directory.

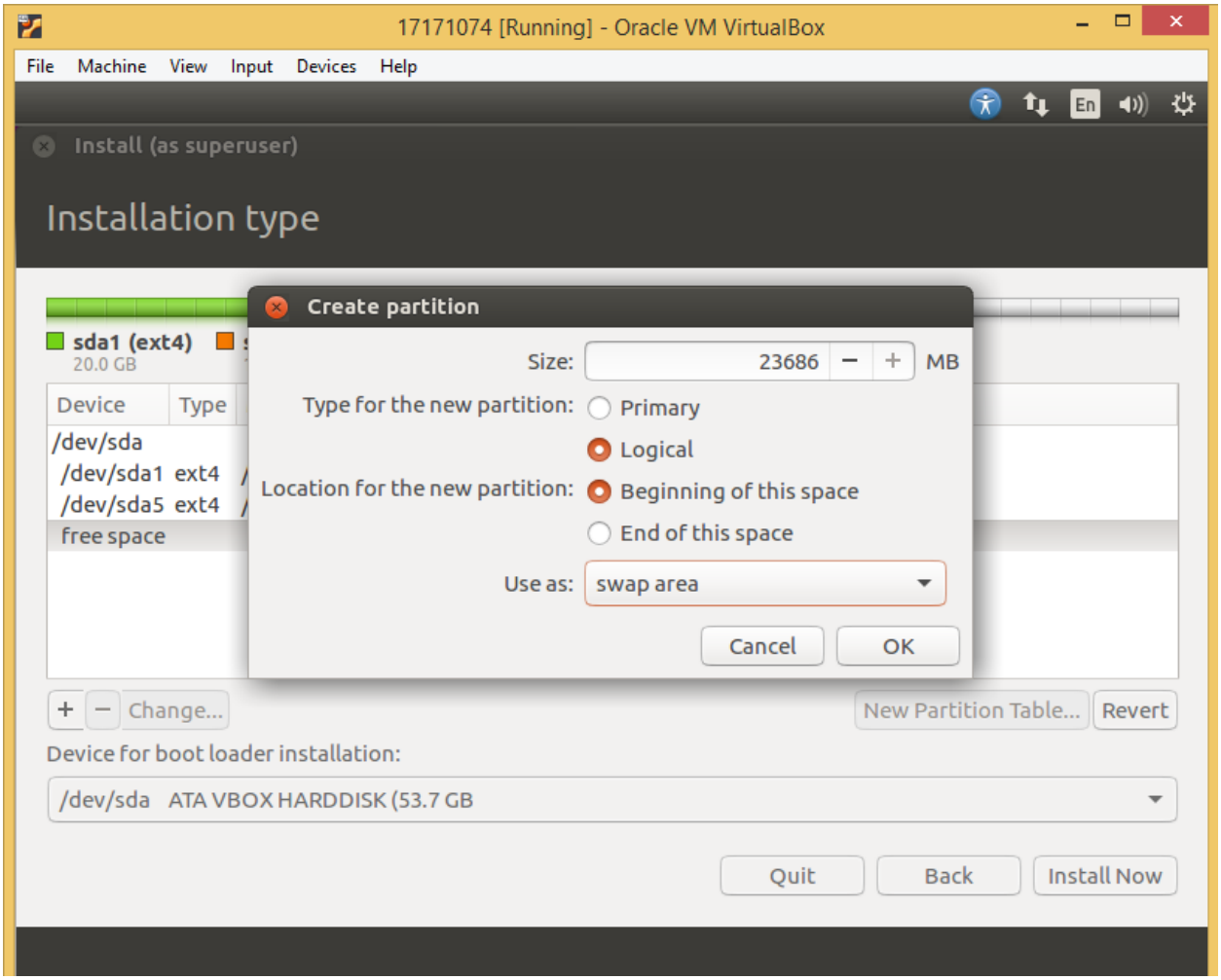
It is also used as Ext4 journaling system.



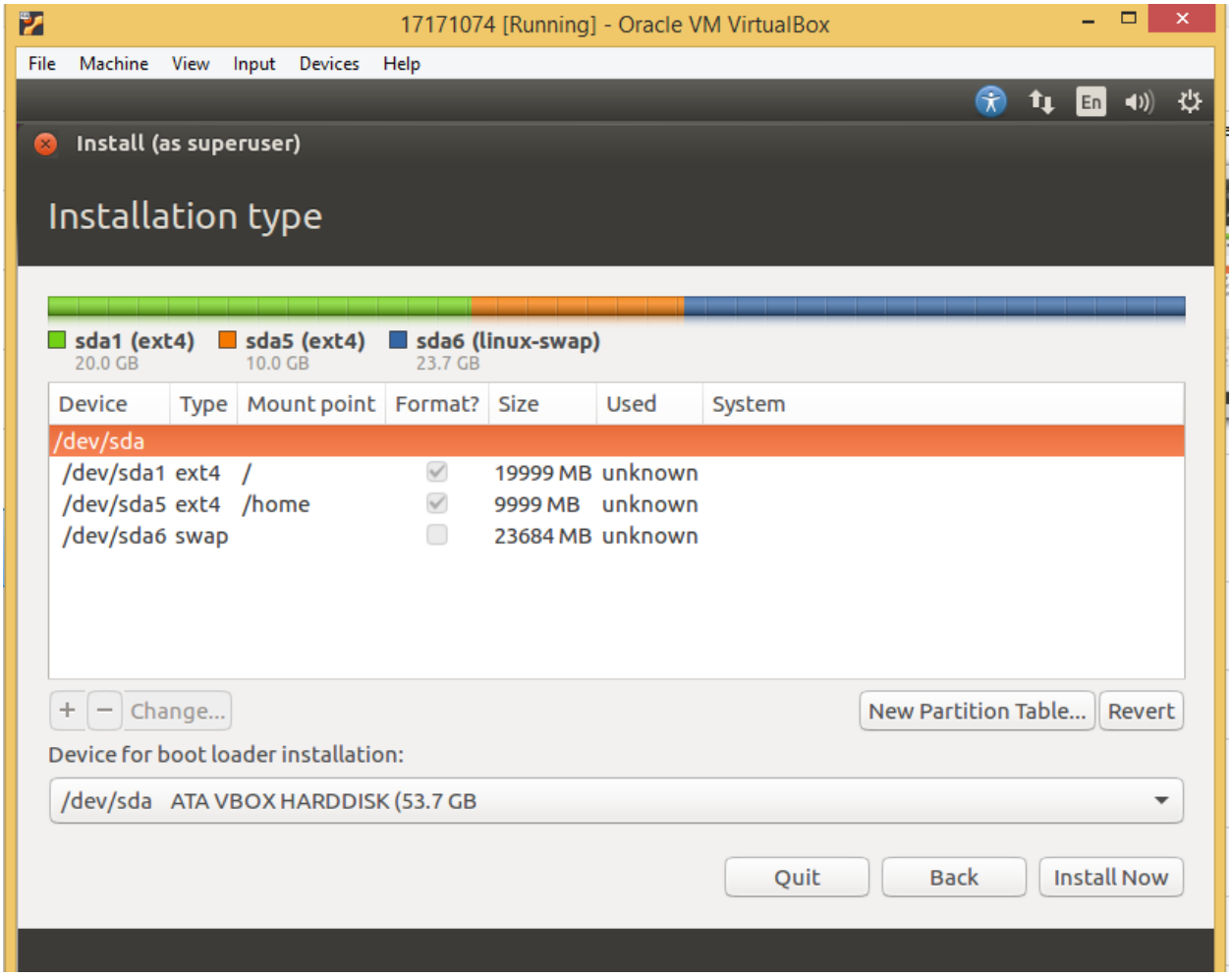
For swap area remaining 23686 MB is assigned.

Swap space is the area on a hard disk which is part of the Virtual Memory of your machine, which is a combination of accessible physical memory (RAM) and the swap space.

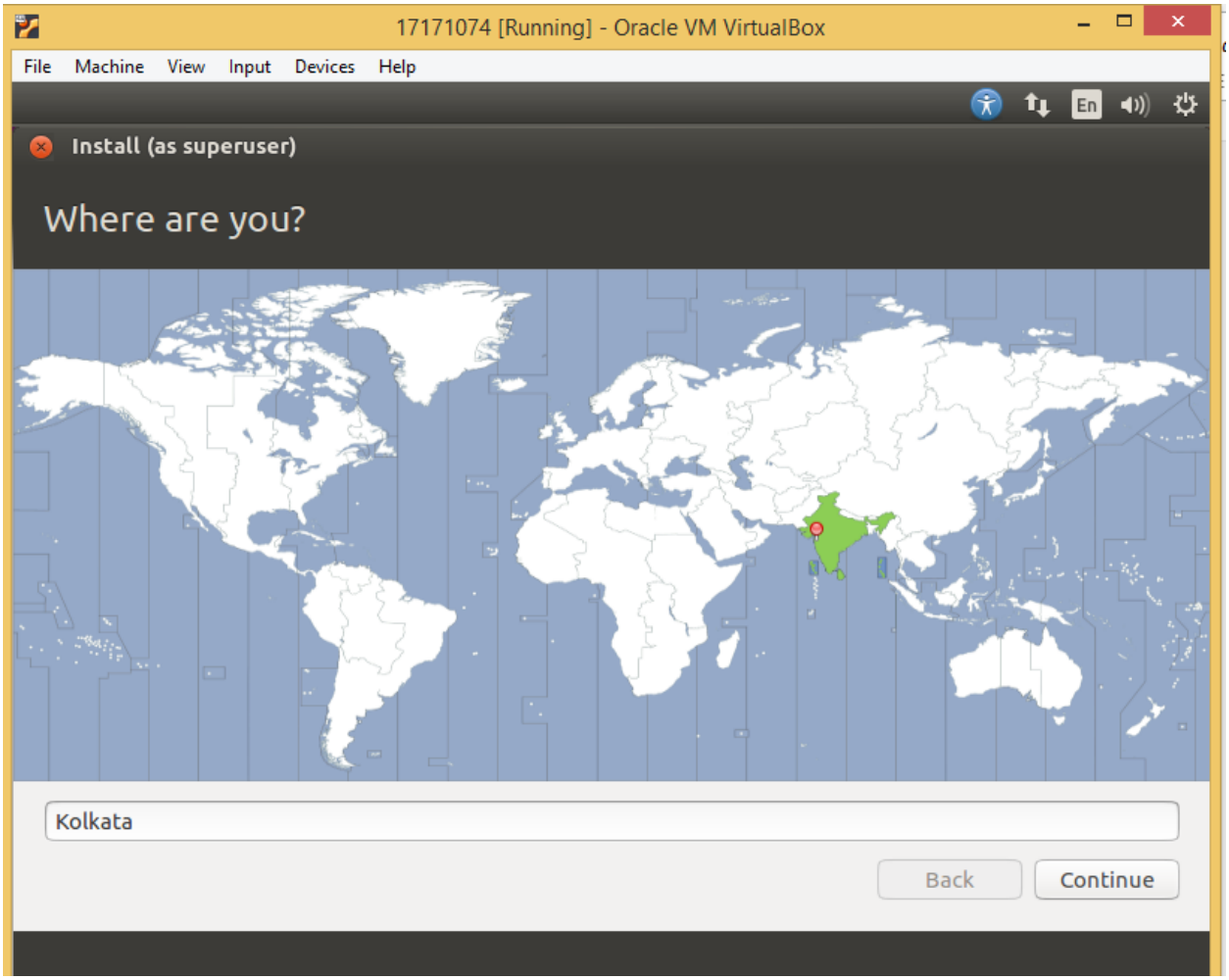
Swap space temporarily holds memory pages that are inactive.



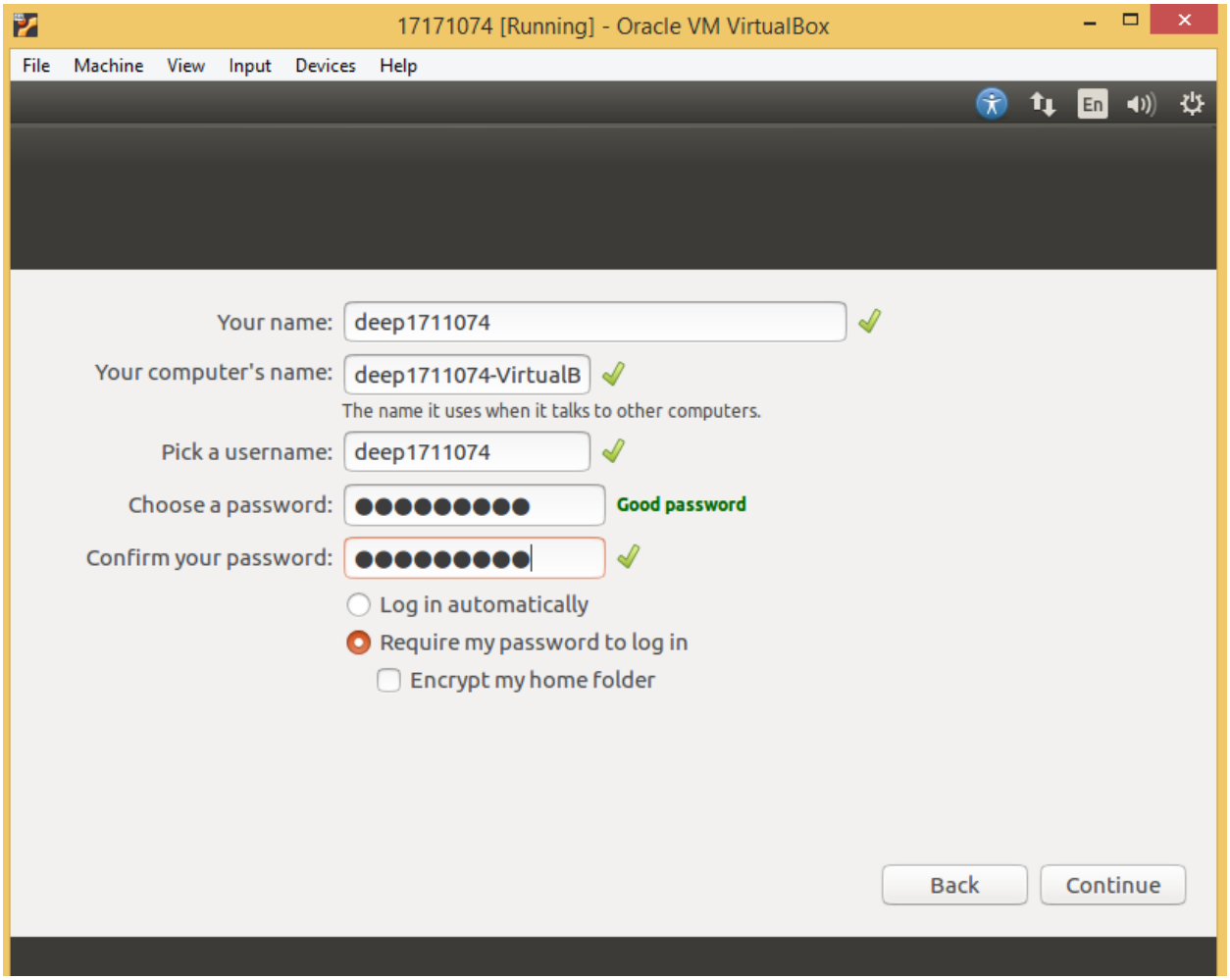
Now we can install Ubuntu by clicking on Install Now.



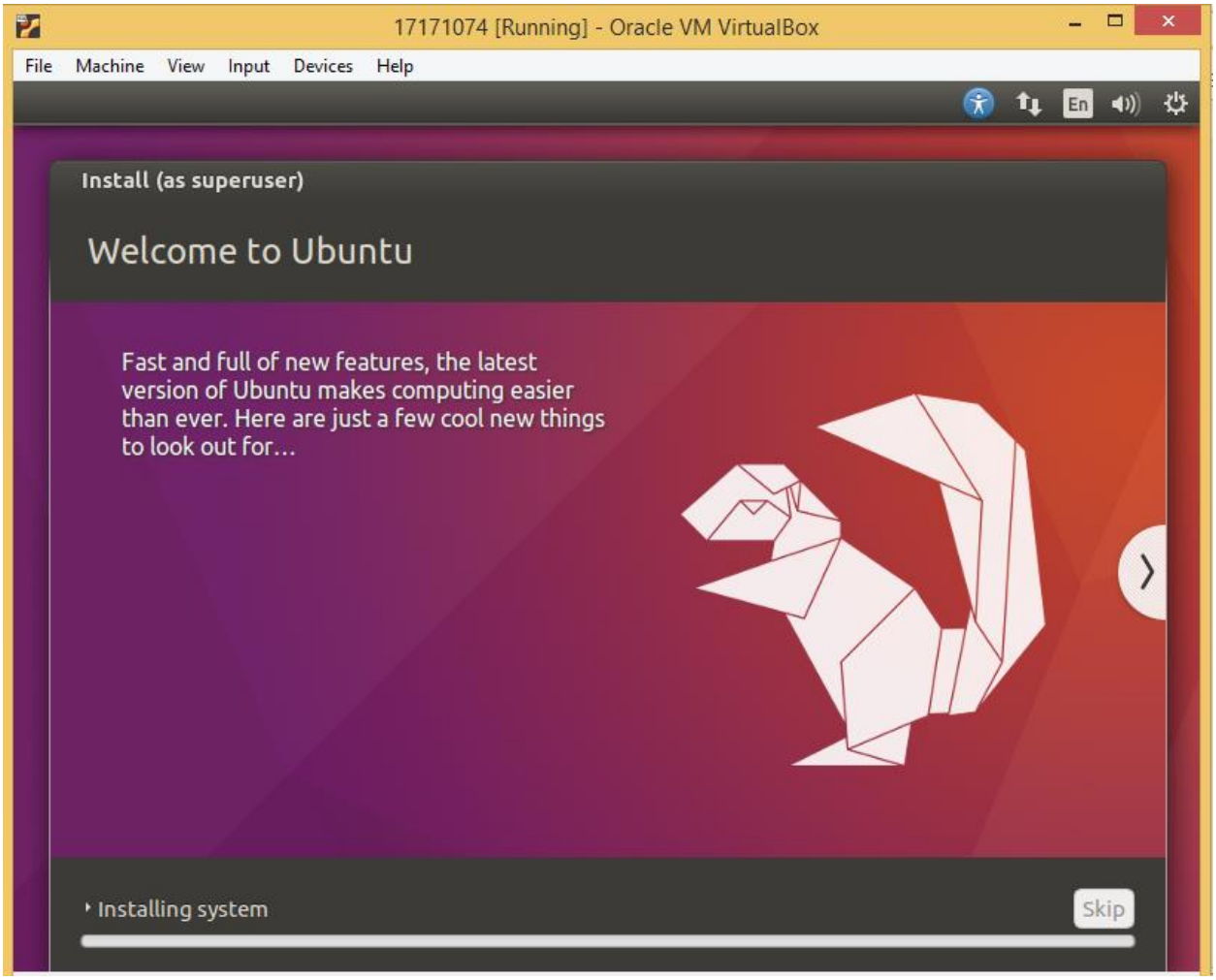
Select the appropriate time zone for the system to function.

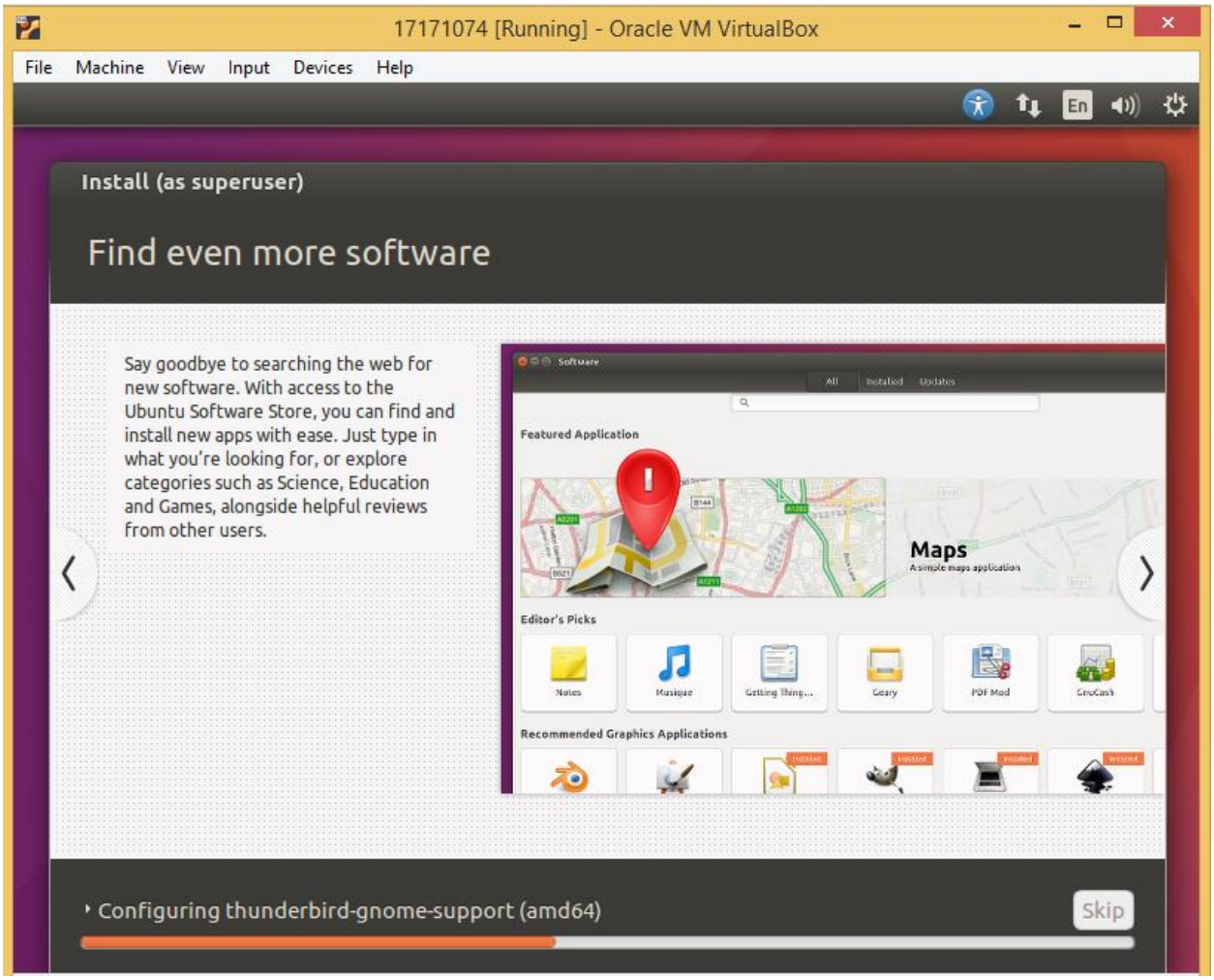


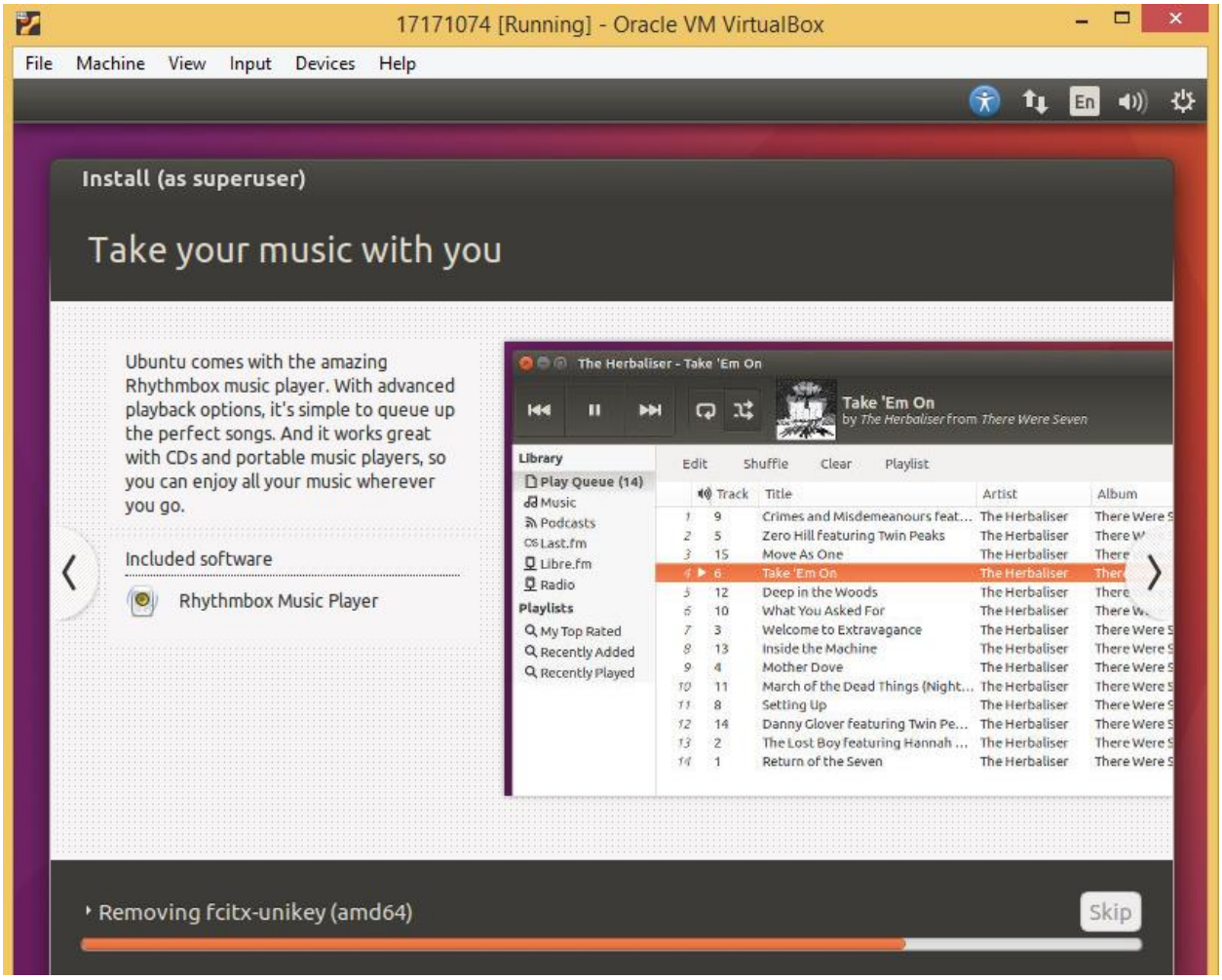
Create a username and password to login into the software on the virtual machine.



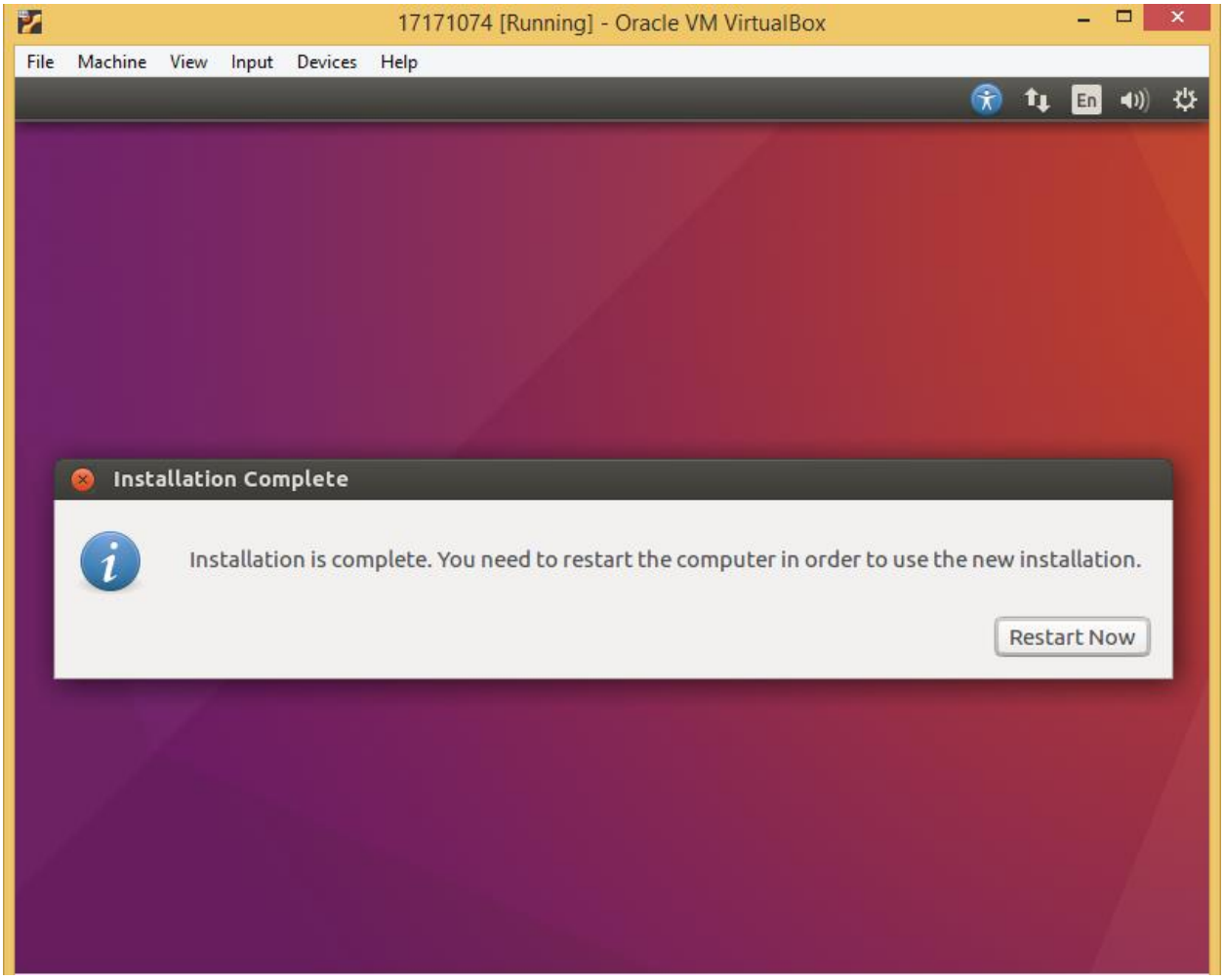
The system will now be installed.



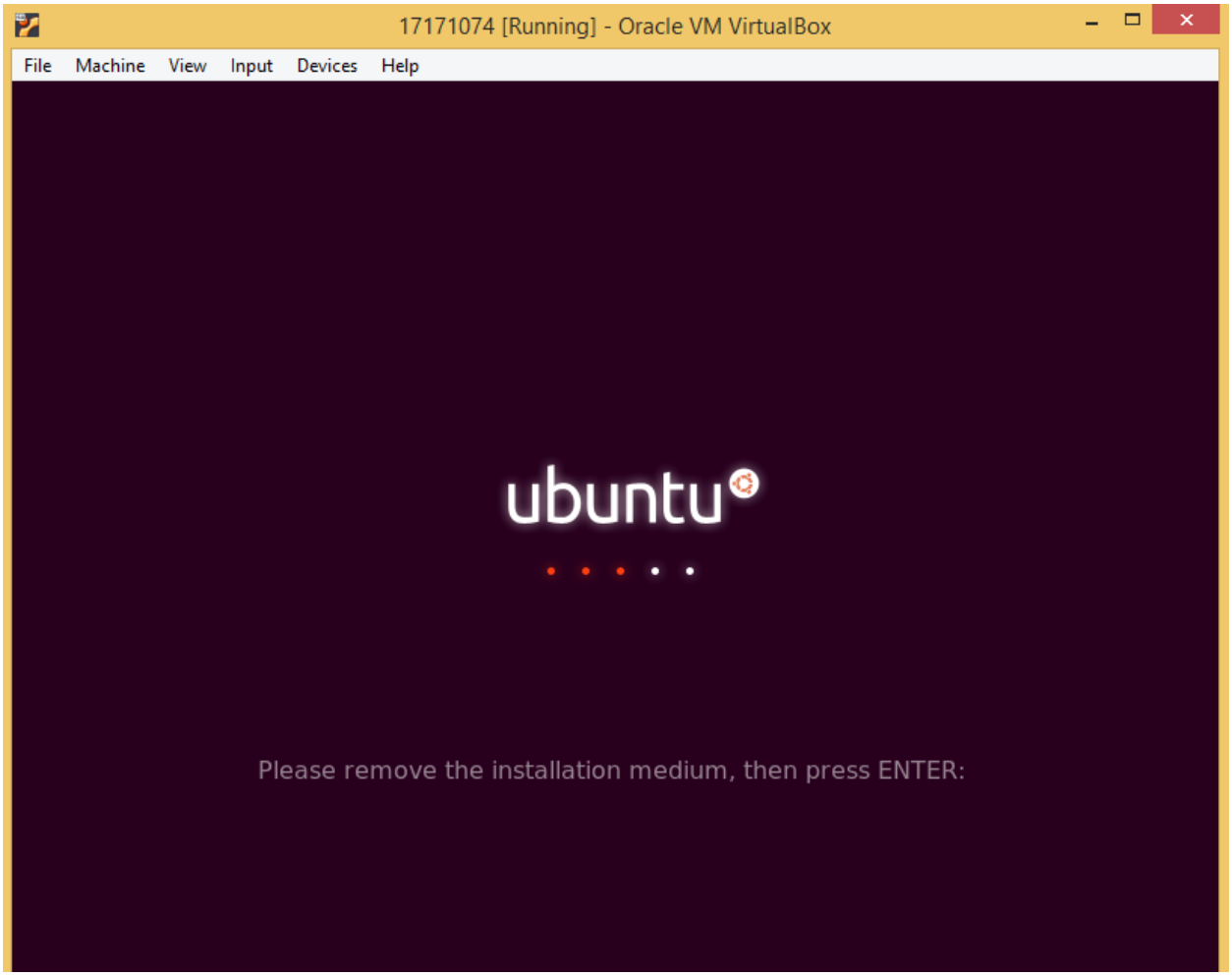

17171074 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Install (as superuser)
Find even more software
Say goodbye to searching the web for new software. With access to the Ubuntu Software Store, you can find and install new apps with ease. Just type in what you're looking for, or explore categories such as Science, Education and Games, alongside helpful reviews from other users.
Software
Featured Application
Maps
Editor's Picks
Recommended Graphics Applications
Configuring thunderbird-gnome-support (amd64)
Skip


17171074 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Install (as superuser)
Take your music with you
Ubuntu comes with the amazing Rhythmbox music player. With advanced playback options, it's simple to queue up the perfect songs. And it works great with CDs and portable music players, so you can enjoy all your music wherever you go.
Included software
Rhythmbox Music Player
The Herbaliser - Take 'Em On
Take 'Em On
by The Herbaliser from There Were Seven
Library
Play Queue (14)
Music
Podcasts
Last.fm
Libre.fm
Radio
Playlists
My Top Rated
Recently Added
Recently Played
Edit Shuffle Clear Playlist
Track Title Artist Album
9 Crimes and Misdemeanours feat... The Herbaliser
5 Zero Hill Featuring Twin Peaks The Herbaliser
15 Move As One The Herbaliser
6 Take 'Em On The Herbaliser
12 Deep in the Woods The Herbaliser
10 What You Asked For The Herbaliser
3 Welcome to Extravagance The Herbaliser
13 Inside the Machine The Herbaliser
4 Mother Dove The Herbaliser
11 March of the Dead Things (Night... The Herbaliser
8 Setting Up The Herbaliser
14 Danny Glover featuring Twin Pe... The Herbaliser
2 The Lost Boy featuring Hannah ... The Herbaliser
1 Return of the Seven The Herbaliser
Removing fcitx-unikey (amd64)
Skip

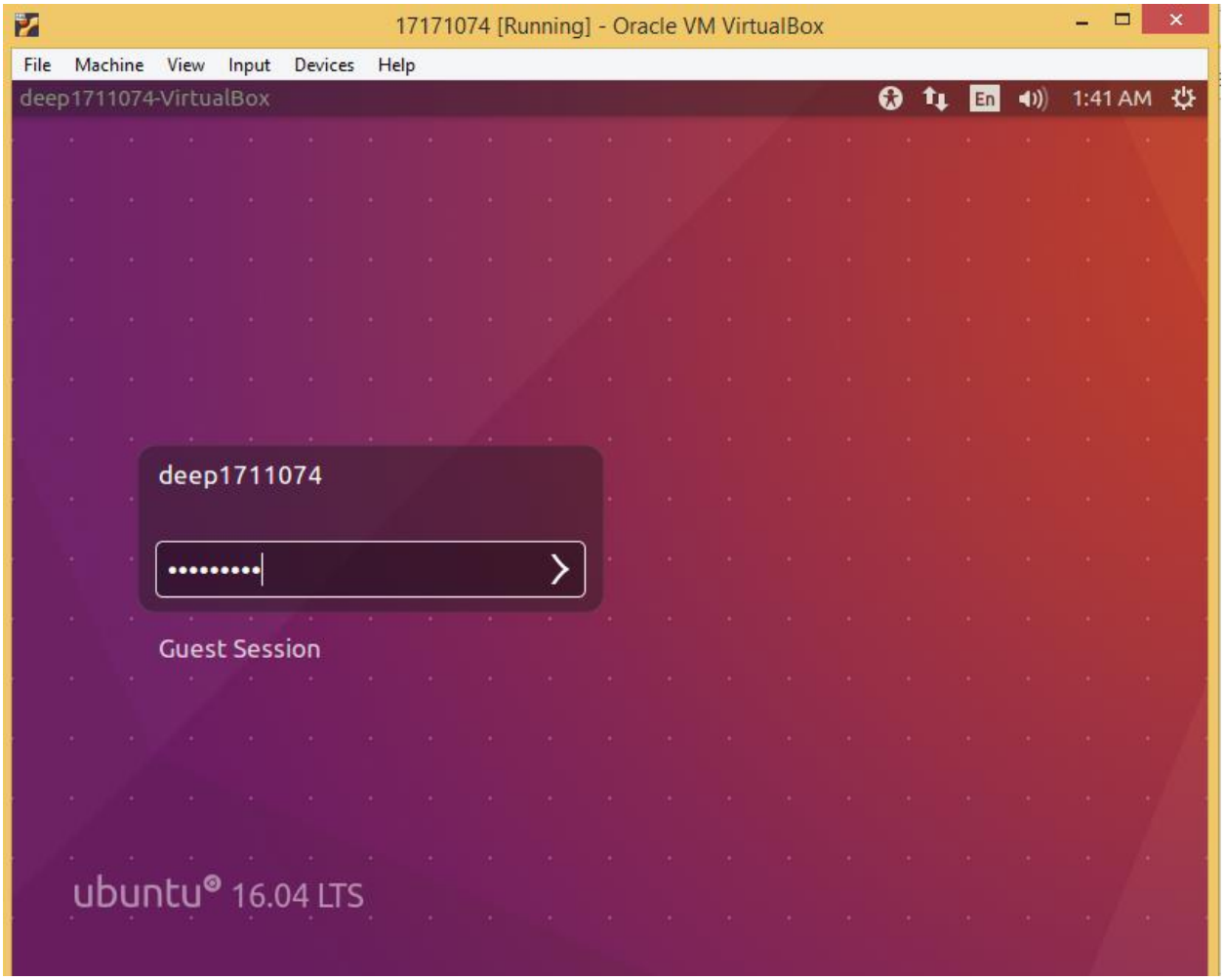
Once the installation is complete restart the computer by clicking on the Restart Now.



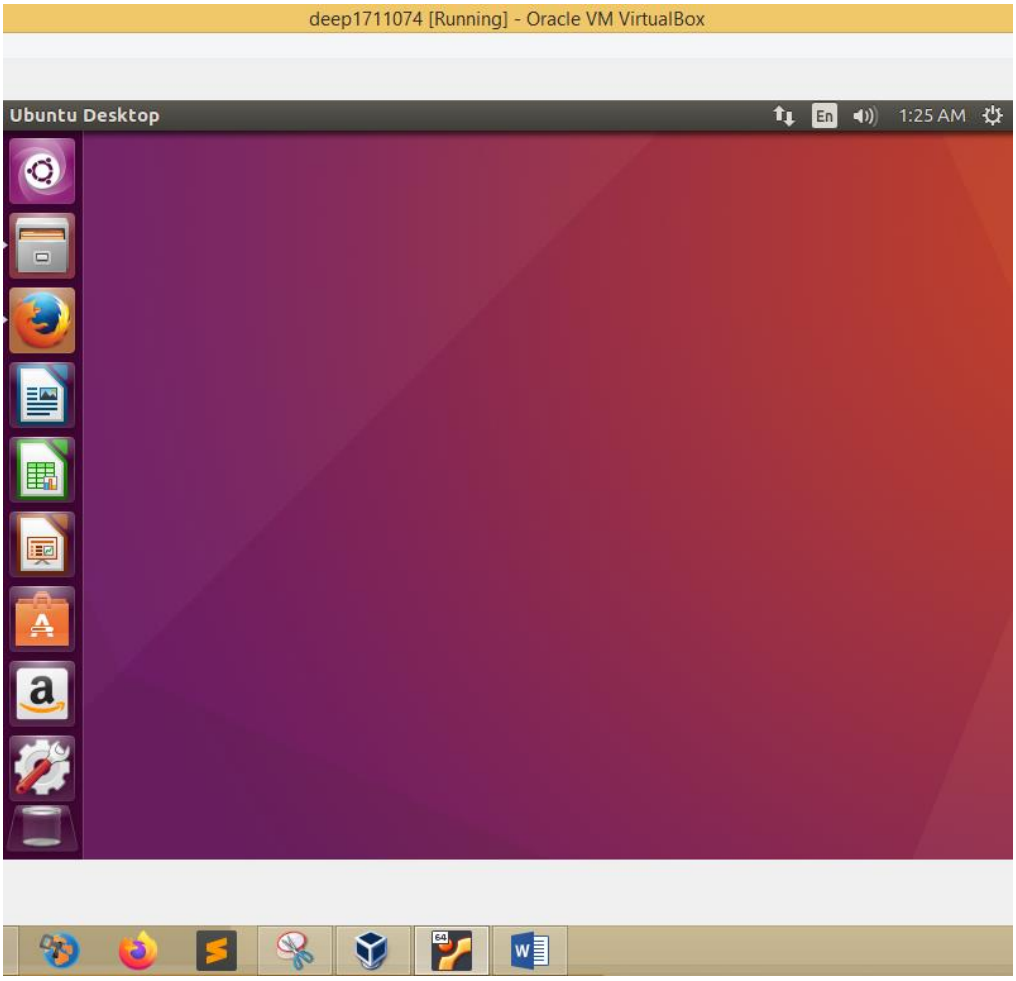
Once the restart is complete the OS is ready to run.



Login to your account created before installation.

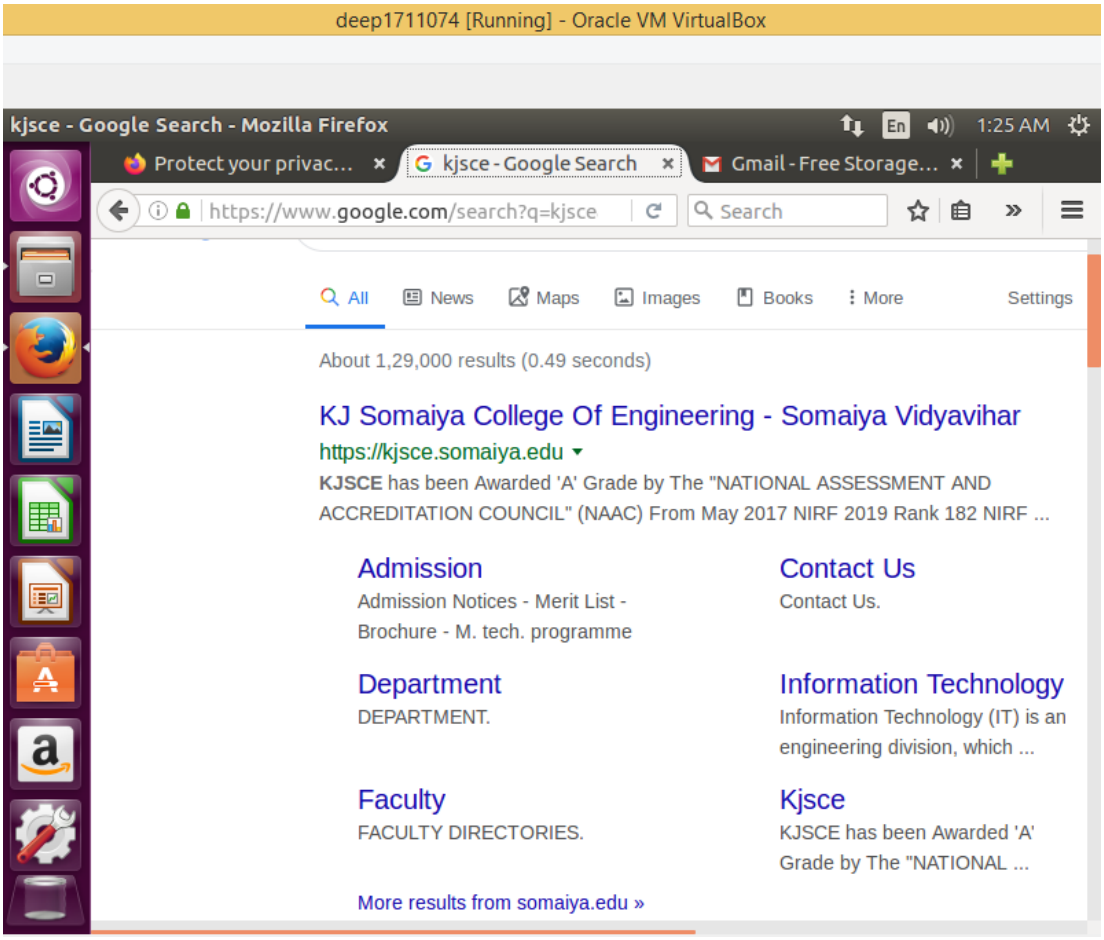


The system is up and running.



To check if the system is running properly the user can access the internet.

The credentials from the main system are shared to the virtual machine.



Conclusion:

Successfully used Oracle VM Box to install Ubuntu OS on a Windows system.