MAWLANA BHASHANI SCIENCE AND TECHNOLOGY UNIVERSITY

মাওলানা ভাসানী বিজ্ঞান ও প্রযুক্তি বিশ্ববিদ্যালয়

Lab Report: 01

Title: How to install Linux operating system

Course code: ICT-3110

Course title: Operating Systems Lab

Date of

Date of

Performance:

Submission:

SUBMITTED BY

SUBMITTED TO

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Session: 2017-18

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Experiment No: 01

Experiment Name: How to install Linux operating system
Objectives:
> - What is Linux Operating system?
> - Different Type of Linux Distribution.
> - How can we install Linux Operating System?

❖ **What is Linux Operating system?**
Ans:
An Operating System is a program that acts as an intermediary between a user of a computer and the computer hardware.

❖ **Different Type of Linux Distribution.**
Ans: Linux distributions (distro) is the collection of software built on top of Linux kernels and offered as complete operating system. Distribution also offers graphical packages, open office and others. Kernel is just one components of the distribution

A Linux distribution consists of following things
a. Kernel
b. GNU C libraries
c. Additional software
d. documentation
e. distribution specific application for installation and configuration
f. Free applications
g. User manuals
h. Window systems
i. Support information

❖ **How can we install Linux Operating System?**

Step 1) Download the .iso or the OS files on your computer from this link.

Download Ubuntu Desktop

Ubuntu 16.04.3 LTS

Download the latest LTS version of Ubuntu, for desktop PCs and laptops. LTS stands for long-term support — which means five years of free security and maintenance updates, guaranteed.

Ubuntu 16.04 LTS release notes

Recommended system requirements:

- 2 GHz dual core processor or better
- 2 GB system memory
- 25 GB of free hard drive space
- Either a DVD drive or a USB port for the installer media
- Internet access is helpful

Download

Alternative downloads and torrents ›

Step 2) Download free software like 'Universal USB installer to make a bootable USB stick.

Universal-USB-Installer-1.9.7.8.exe – May 2, 2017 – Changes
Update to support KDE Neon, Devuan, Vinari OS, and Ubuntu Budgie.

IMPORTANT: The Windows to Go option requires the USB be formatted NTFS with 20GB free disk space to hold the virtual disk. See FAQ for more info.

Download UUI
Universal-USB-Installer-1.9.7.8.exe
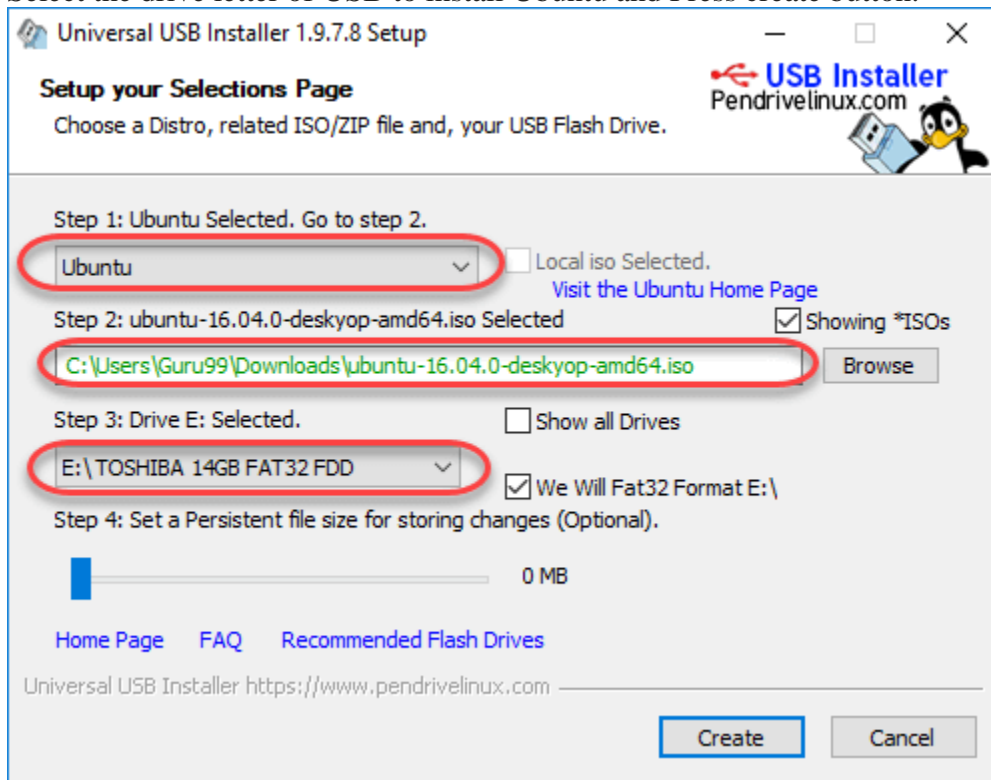
Source Code

MD5: 36A6A087AD0EF0368506893D15FFCDA2

| Basic Requirements | Changelog | Supported Distros | FAQ |

IMPORTANT NOTE: Your USB drive must be Fat32/NTFS formatted, otherwise Syslinux will fail and your drive will NOT Boot.

Step 3) Select an Ubuntu Distribution form the dropdown to put on your USB

Select your Ubuntu iso file download in step 1.

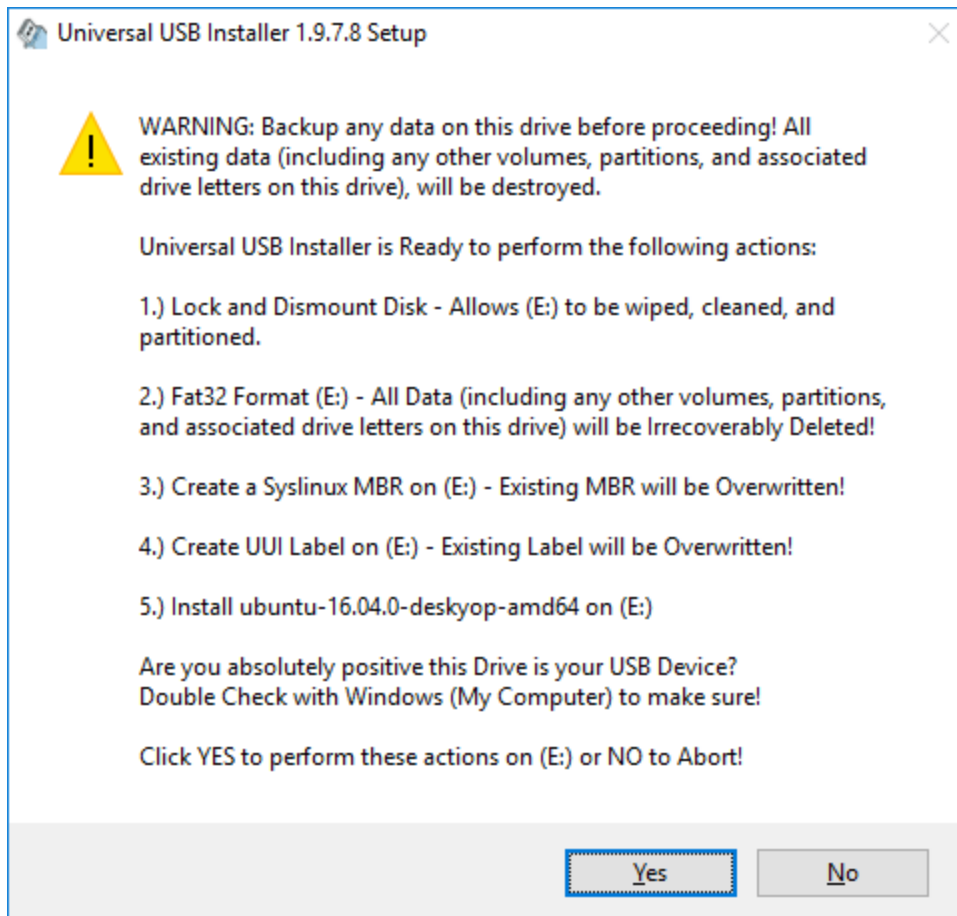Select the drive letter of USB to install Ubuntu and Press create button.

Step 4) Click YES to Install Ubuntu in USB.

Universal USB Installer 1.9.7.8 Setup

⚠ WARNING: Backup any data on this drive before proceeding! All existing data (including any other volumes, partitions, and associated drive letters on this drive), will be destroyed.

Universal USB Installer is Ready to perform the following actions:

1.) Lock and Dismount Disk - Allows (E:) to be wiped, cleaned, and partitioned.

2.) Fat32 Format (E:) - All Data (including any other volumes, partitions, and associated drive letters on this drive) will be Irrecoverably Deleted!

3.) Create a Syslinux MBR on (E:) - Existing MBR will be Overwritten!

4.) Create UUI Label on (E:) - Existing Label will be Overwritten!

5.) Install ubuntu-16.04.0-deskyop-amd64 on (E:)

Are you absolutely positive this Drive is your USB Device?
Double Check with Windows (My Computer) to make sure!

Click YES to perform these actions on (E:) or NO to Abort!
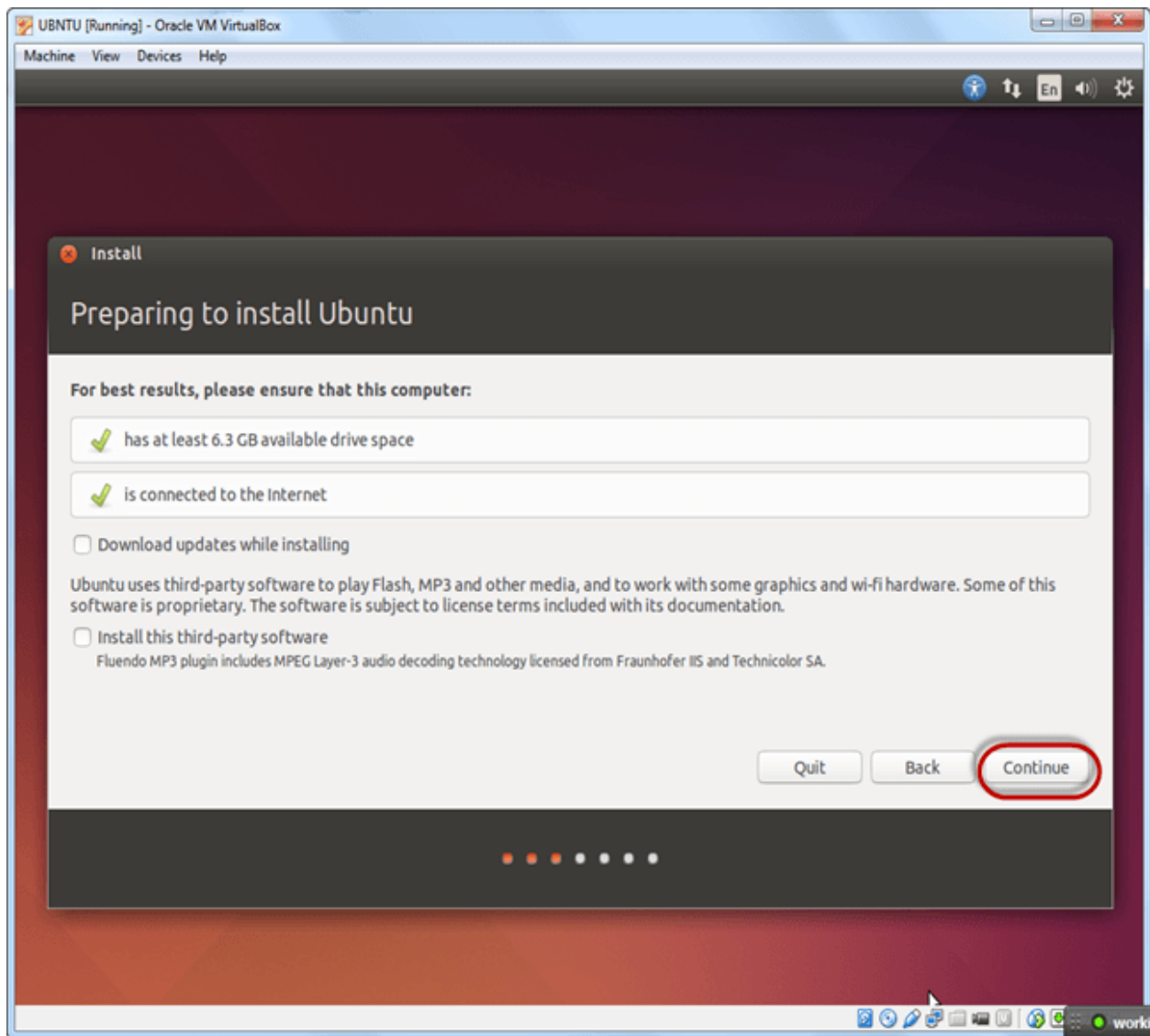
[Yes]   [No]

Step 5) After everything has been installed and configured, a small window will appear Congratulations! You now have Ubuntu on a USB stick, bootable and ready to go.
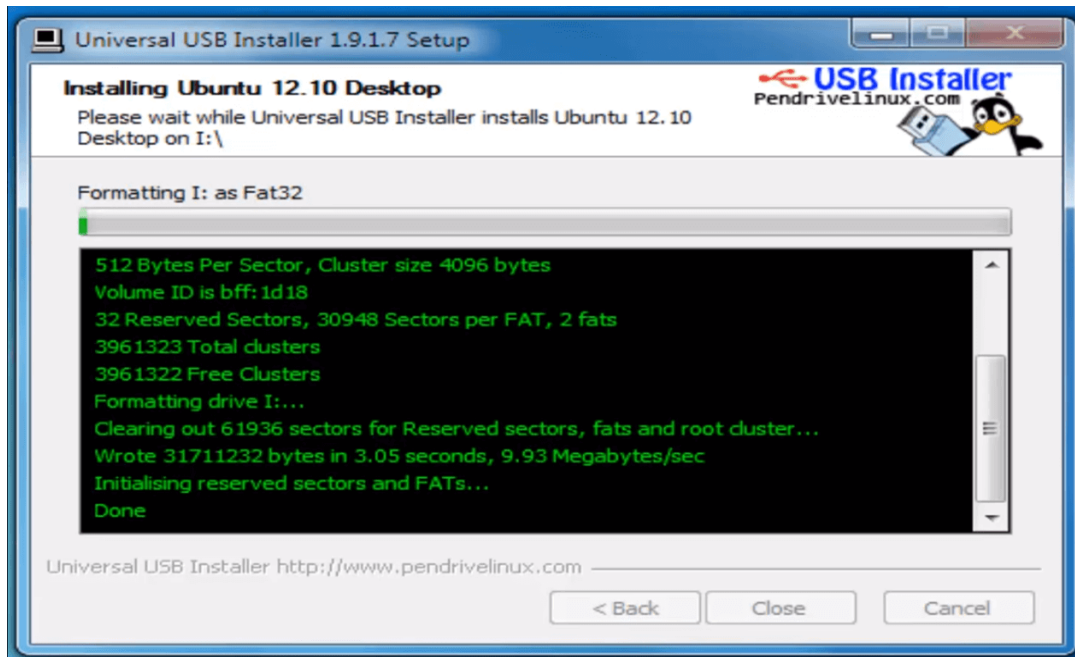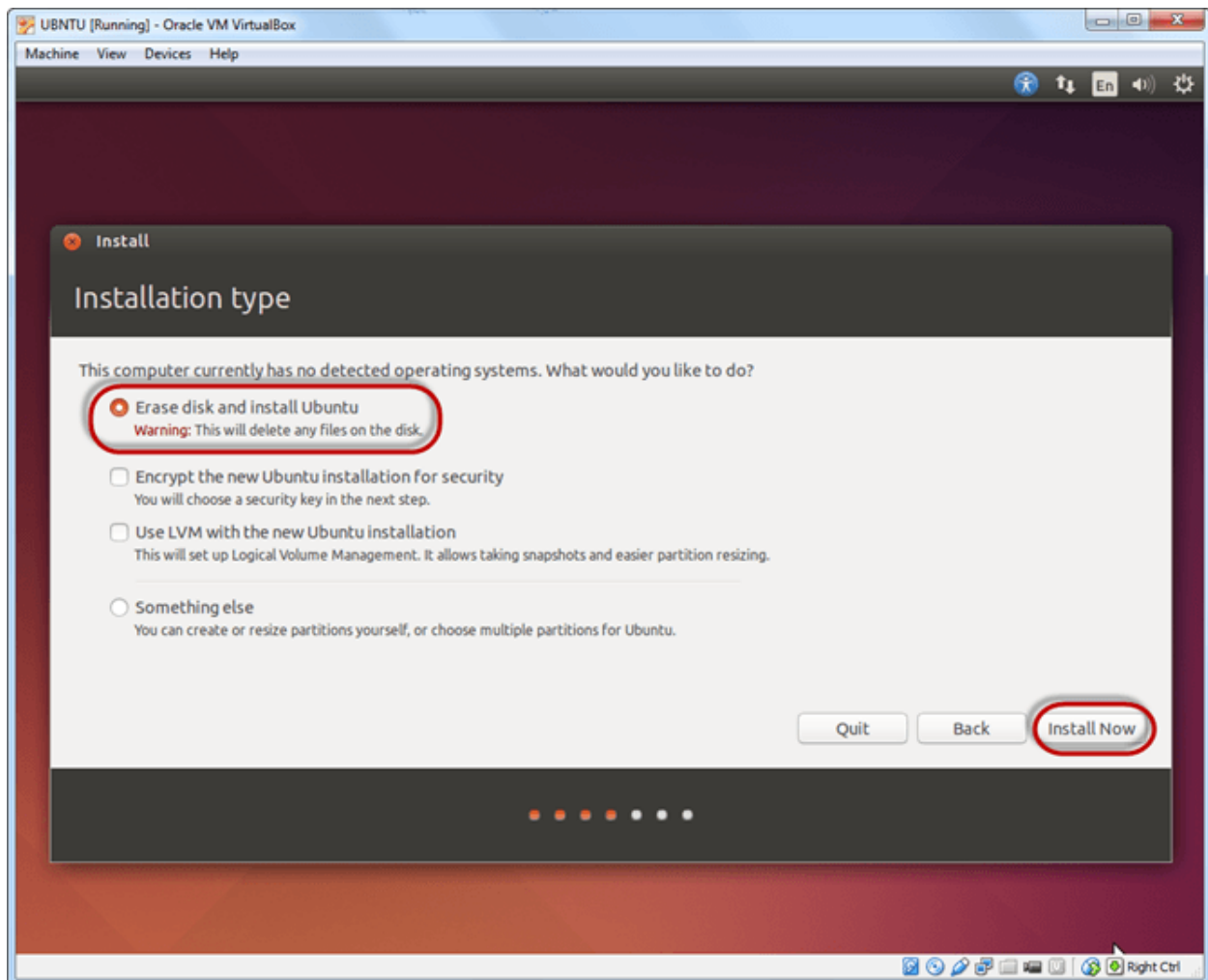
Step-6 You have an option to Run Ubuntu WITHOUT installing. In this tutorial will install Ubuntu
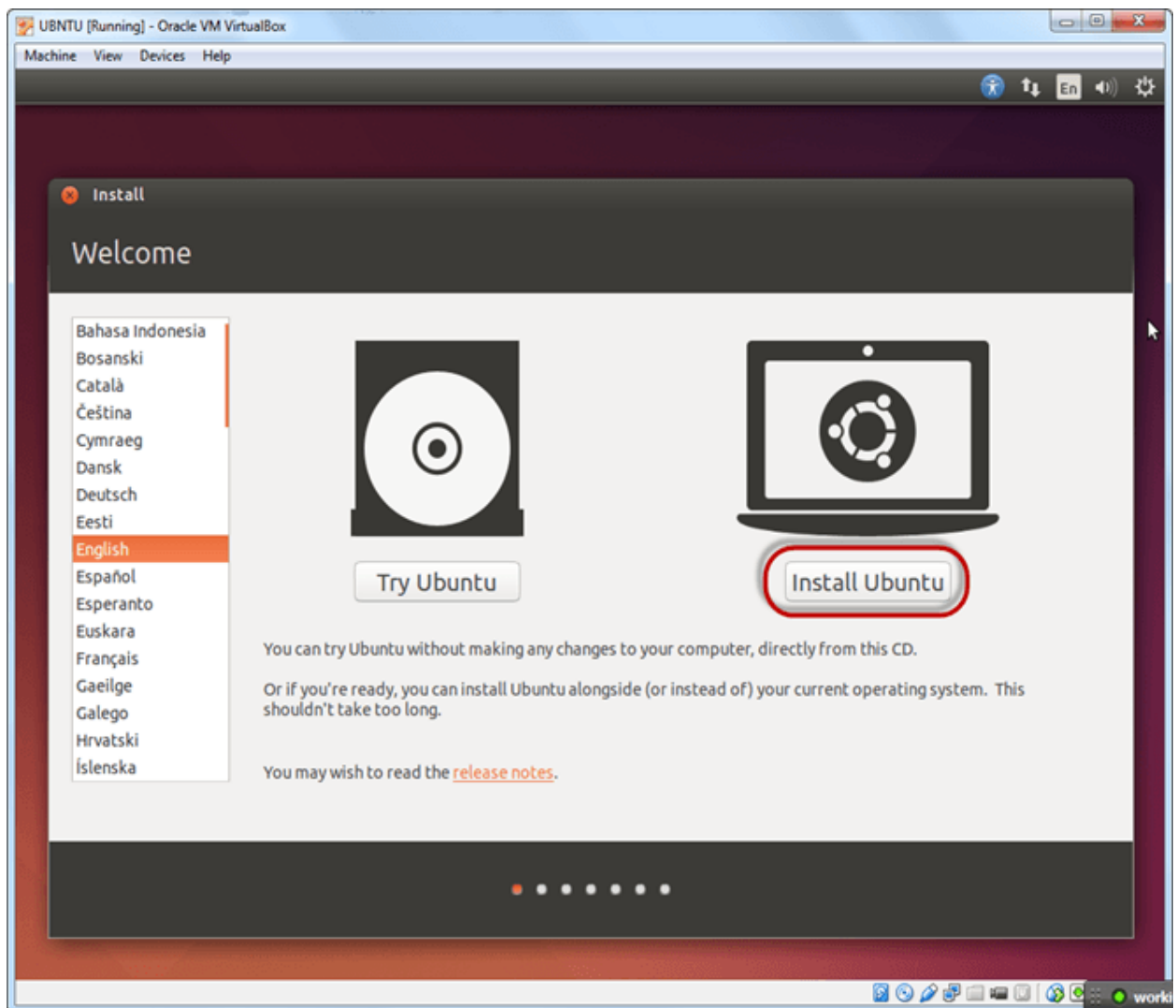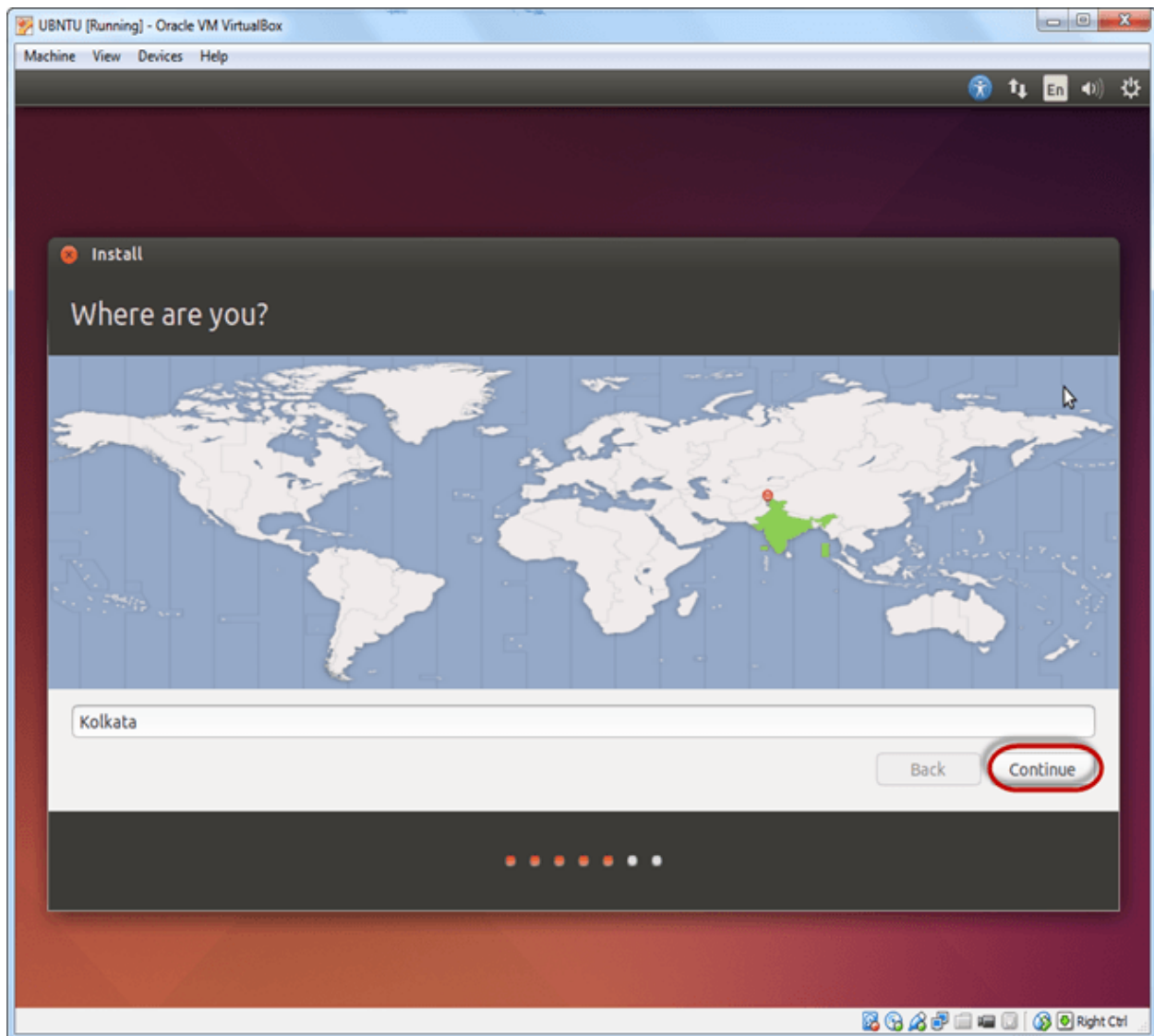
Step-7) Click continue.

Step-8 Select option to erase the disk and install Ubuntu and click on install now. This option installs Ubuntu into our virtual hard drive which is we made earlier. It will not harm your PC or Windows installation

Step-9 Select your location for setting up time zone, and click on continue

Step-10 Select your keyboard layout, by default English (US) is selected but if you want to change then, you can select in the list. And click on continue
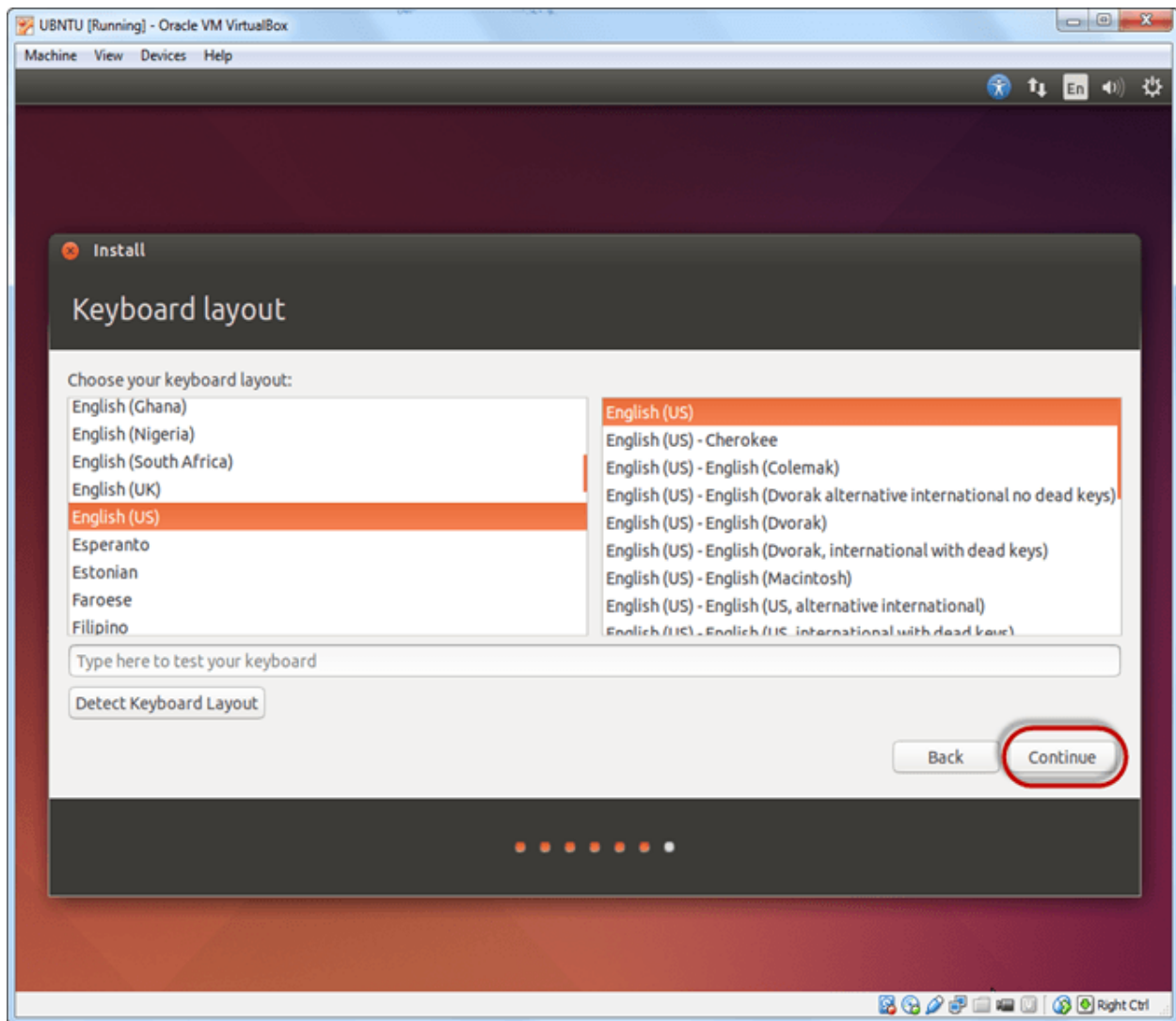
Step-11 Select your username and password for your Ubuntu admin account. This information has been needed for installing any software package into Ubuntu and also for login to your OS. Fill up your details and tick on login automatically to ignore login attempt and click on continue

Step-12 Installation process starts. May take up to 30 minutes. Please wait until installation process completes.
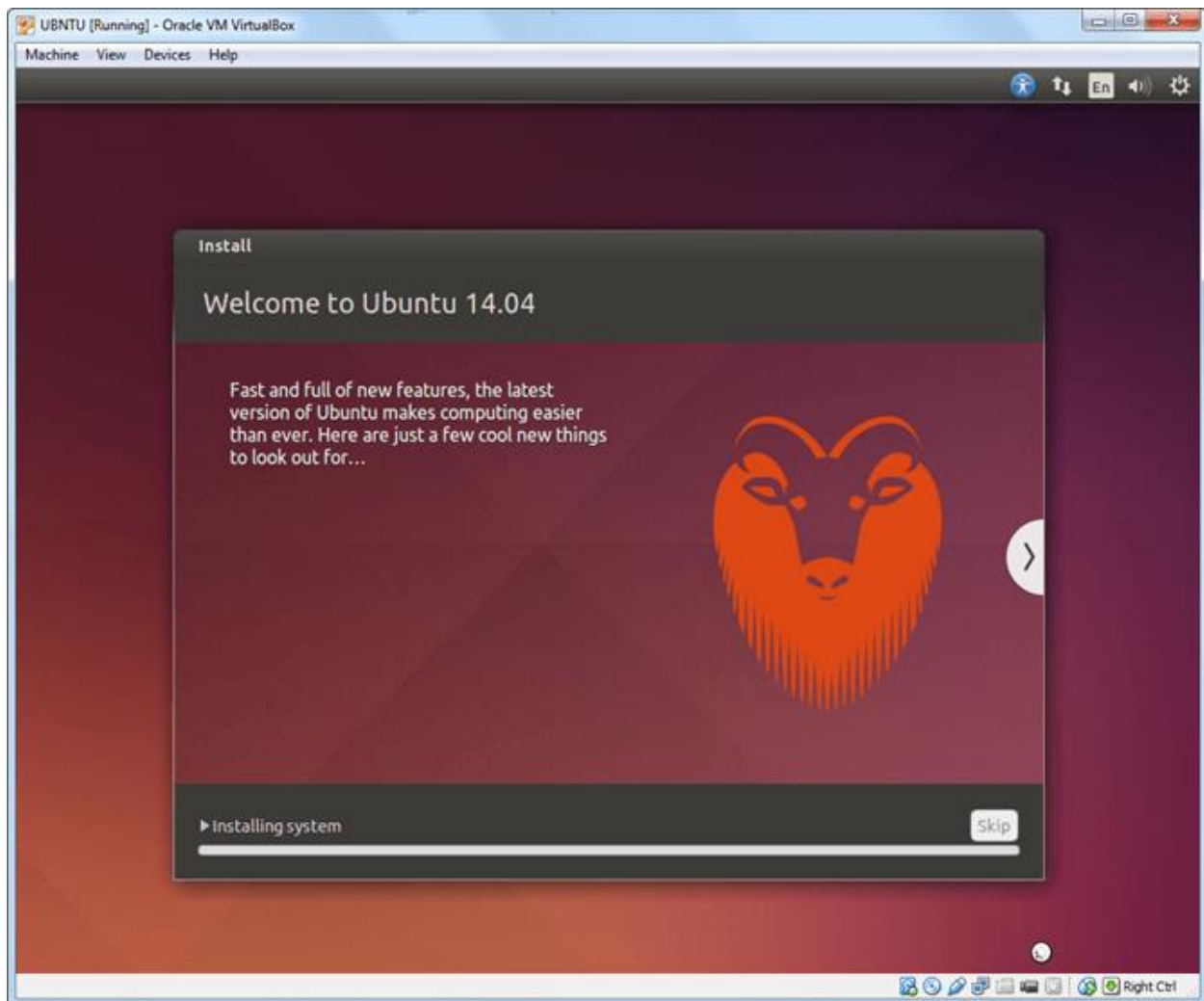
Step-13 After finishing the installation, you will see Ubuntu Desktop.
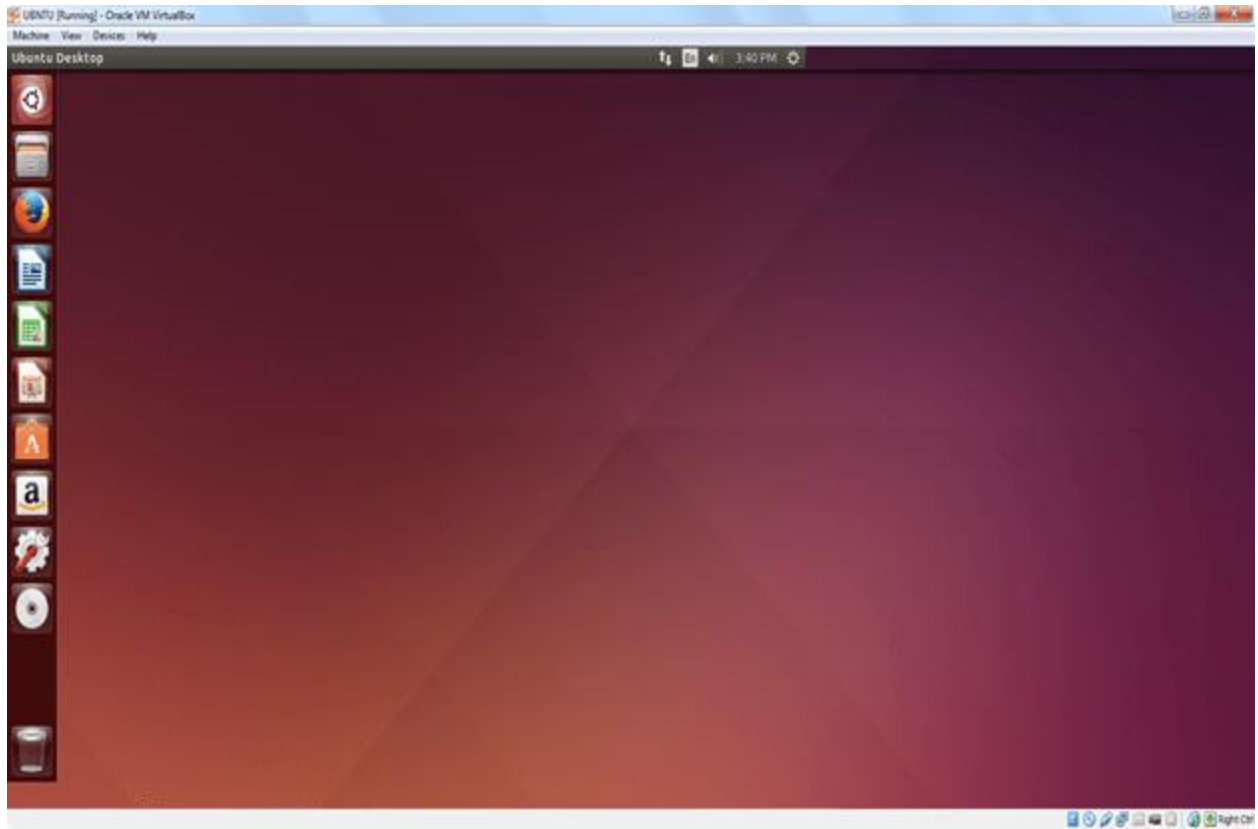
Discussion:

This lab helps to learn about how to install Linux operating system.