

1. Experiment Title/Problem Statement:

To install Linux (Ubuntu) in VmWare workstation/Vmbox.

2. Requirements:

VmWare workstation or Oracle Vmbox, Disc image file of Ubuntu.

3. Description

In this experiment we'll install Ubuntu Linux in virtual machine. Linux is one of the popular version of UNIX OS. It is open-source and free to use. Linux was designed considering UNIX compatibility.

4. Steps for experiment/practical:

Steps for installation of Vmware:


- 1) Download Vmware workstation according to your processor and OS. In our case, we have selected windows. Once the download is complete. Open the setup file and follow the following steps:

- 2) Setup Wizard will appear, click next.
- 3) Accept terms and click next.
- 4) Select directory and click next.
- 5) User experience setting will open, check the boxes and click next.
- 6). Shortcuts dialogbox will appear check boxes and click next.
- 7) Click on install and installation will start.
- 8) Once installation is over, click on finish.
- 9) Now, restart your PC and VMware is ready to use.

For the installation of Ubuntu in VmWare:

- 1) Open VMware Workstation.
- 2) Select Create a New virtual machine.
- 3) Select configuration of your virtual machine and click next.
- 4) Browse your operating system's iso file and click next.
- 5) Enter name, username and password and click next.
- 6) Now, name the virtual machine and select its location and then click next.
- 7) Now select disc size and click next.
- 8) Now, Click finish and your virtual machine will turn On.



- 9) Now, in your virtual machine, select the language and the Keyboard layout and click on continue.
- 10) Now, select the type of installation and click on continue.
- 11) Now, select Installation type, here we selected the default option (Erase disk and install Ubuntu). and click on install now.
- 12) Select your region and click on continue.
- 13) Enter your name, computer's name, username and password, and click on continue. Installation of Ubuntu will start now.
- 14) After the installation gets completed a dialog box will appear.  click on restart now.
- 15) Your virtual machine will restart, now your username will appear. click on that and log in using password and your ubuntu is installed successfully.



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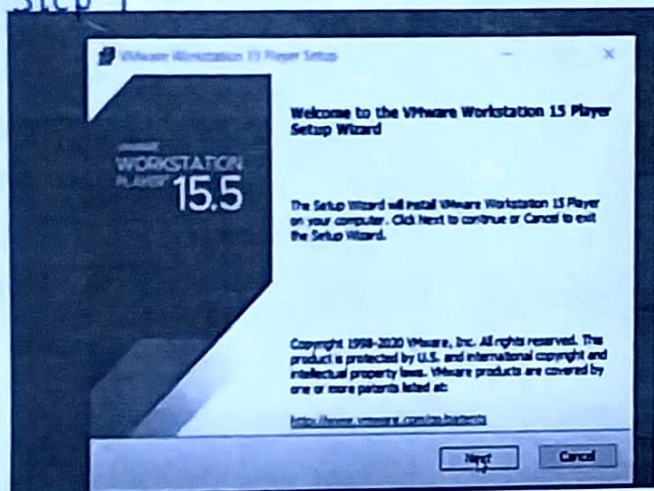
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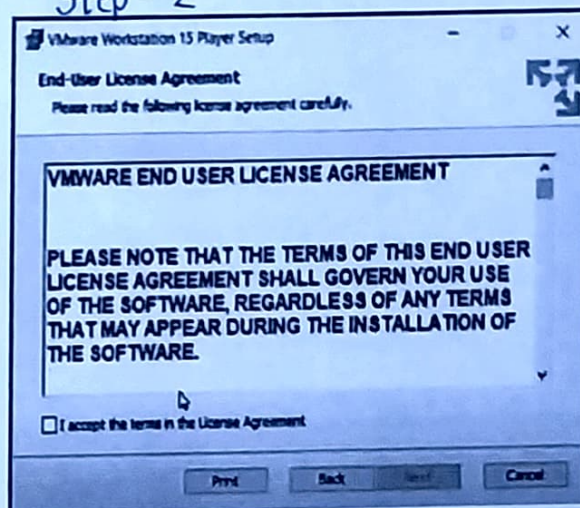
5. Snapshots of Above steps

For the installation of vm ware

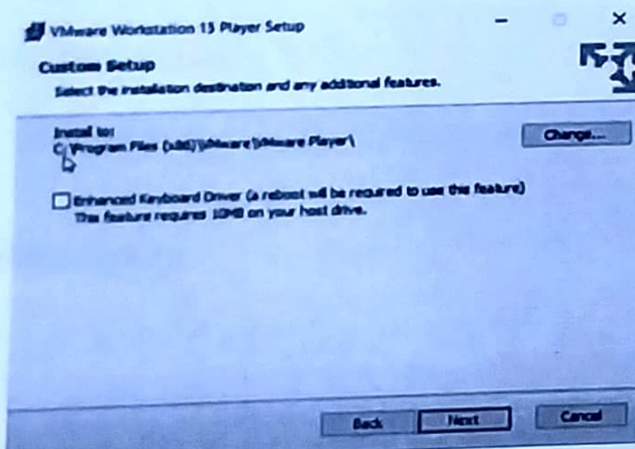
Step-1



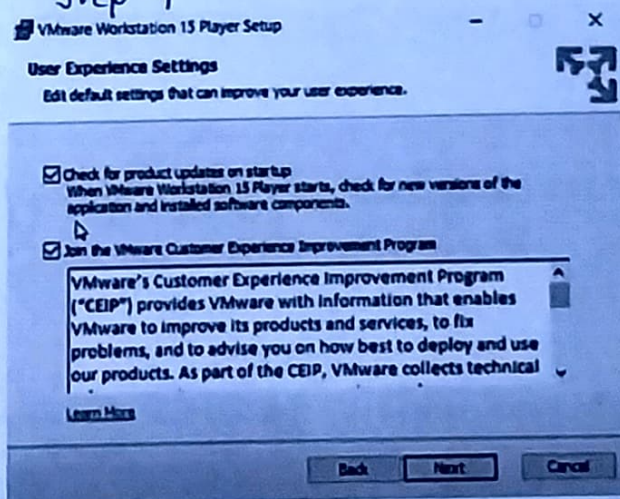
Step-2



Step-3



Step-4



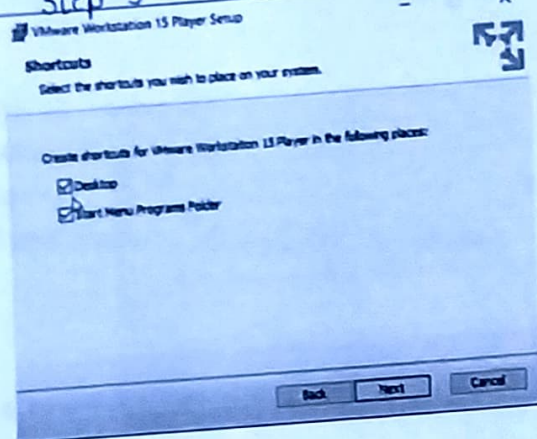


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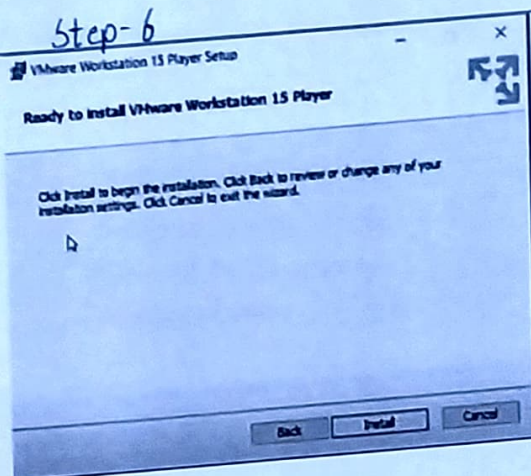
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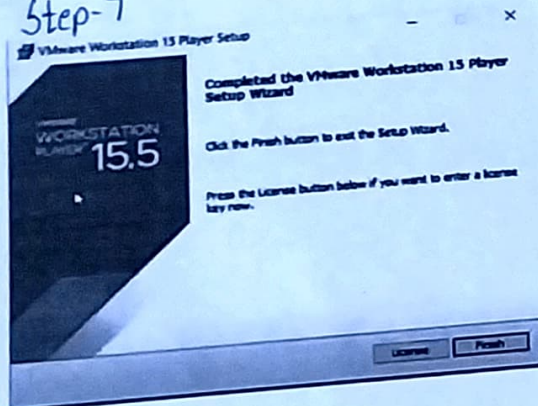
Step-5



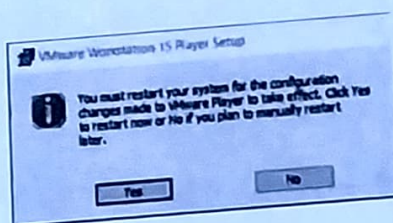
Step-6



Step-7

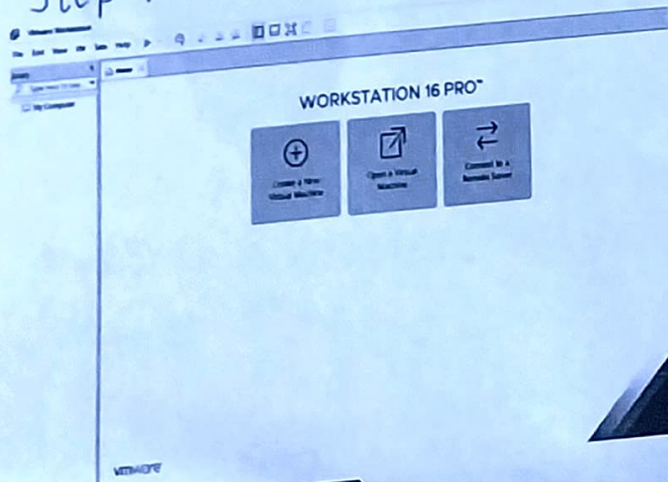


Step-8

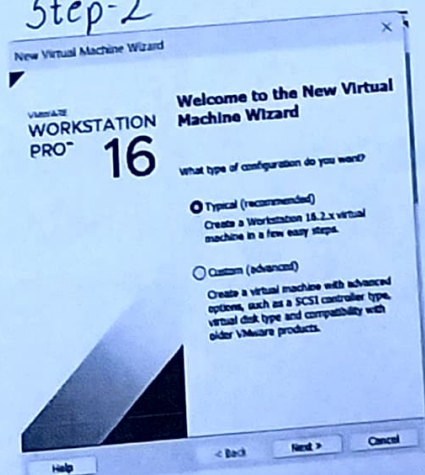


For the installation of Ubuntu in Vmware

Step-1



Step-2



Step-3

New Virtual Machine Wizard

Guest Operating System Installation
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:
No drives available

☒ Installer disc image file (iso):
D:\ubuntu-22.04-desktop-amd64.iso Browse...
⇒ Cannot read this file.
Specify a different file or select a different option to continue.

☐ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

Step-4

New Virtual Machine Wizard

Easy Install Information
This is used to install Ubuntu 64-bit.

Personalize Linux

Full name: aditya

User name: aditya_aml3

Password: *****

Confirm: *****

Help < Back Next > Cancel

Step-5

New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:
Ubuntu 64-bit

Location:
C:\Users\aditya\Documents\Virtual Machines\Ubuntu 64-bit Browse...
The default location can be changed at Edit > Preferences.

< Back Next > Cancel

Step-6

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB): 20.0 + -

Recommended size for Ubuntu 64-bit: 20 GB

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back Next > Cancel

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step-7

Step-8

Step 3
Virtual Machine Wizard

Ready to Create Virtual Machine

The virtual machine will be created with the following settings:

The virtual machine will be Ubuntu:

Name:	Ubuntu 64-bit
Location:	C:\Users\adity\Documents\Virtual Machines\Ubuntu 64-bit
Version:	Workstation 16.2.x
Operating System:	Ubuntu 64-bit
Hard Disk:	20 GB, Split
Memory:	2048 MB
Network Adapter:	NAT
Other Devices:	2 CPU cores, CD/DVD, USB Controller, Printer, Sound C...

Customize Hardware...

☒ Power on this virtual machine after creation

< Back Finish Cancel

Step-9

installed

Updates and other software

what apps would you like to install to start with?

● **intensive | installation**
 ● **intensive | installation**

with brown and tan colors
and light

☒ Download updates while installing Ubuntu

☒ Download updates when I have time

This software is proprietary

install third party software for graphics and WiFi hardware.

This software is proprietary to Acer Inc. and is included with its documentation. Some is proprietary

This software is subject to the following:

Out Back Continue

verifying the installation configuration.

Step-10

total

Installation type

Installation type

This computer currently has no detected operating systems. What would you like to do?

☒ Install Ubuntu ☐ Erase disk and install Ubuntu ☐ Erase disk, download, and install Ubuntu ☐ Erase disk, download, and install Ubuntu ☐ Erase disk, download, and install Ubuntu

Warning: This will delete all your programs, documents, and other files.
Advanced features:

☐ Something else
You can create or refresh multiple yourself, or choose multiple participants for

Out Back Install Now

- verifying the installation configuration.

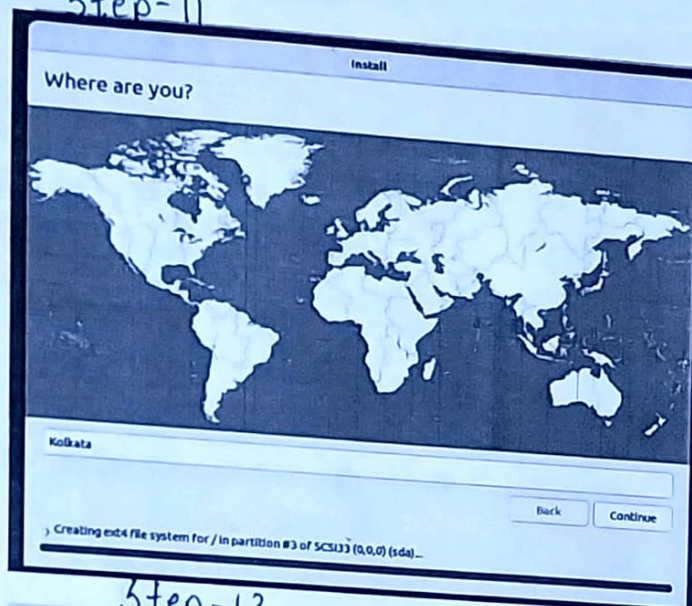


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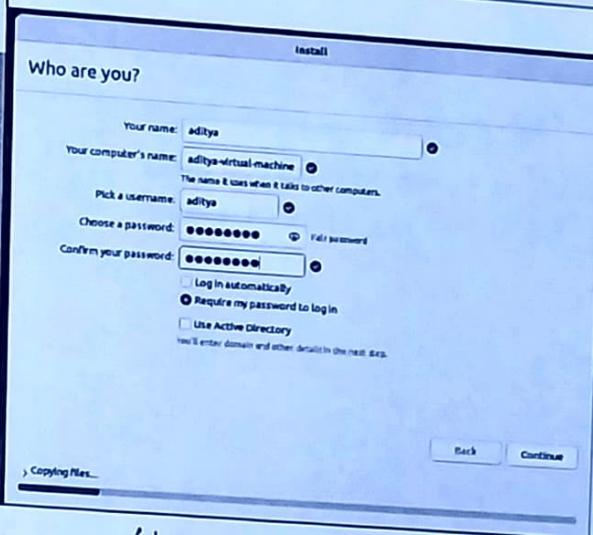
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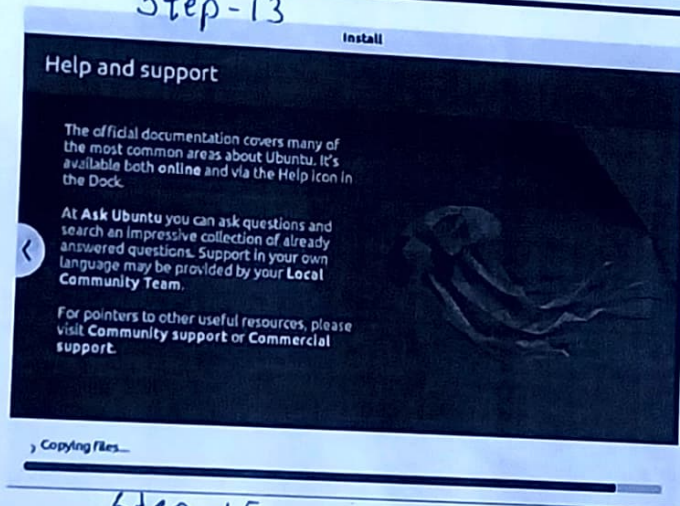
Step-11



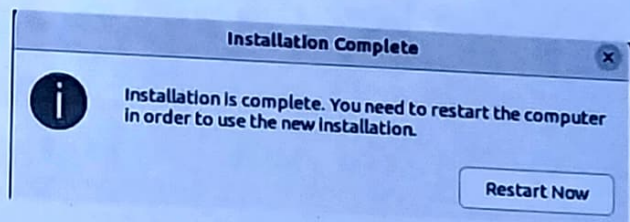
Step-12



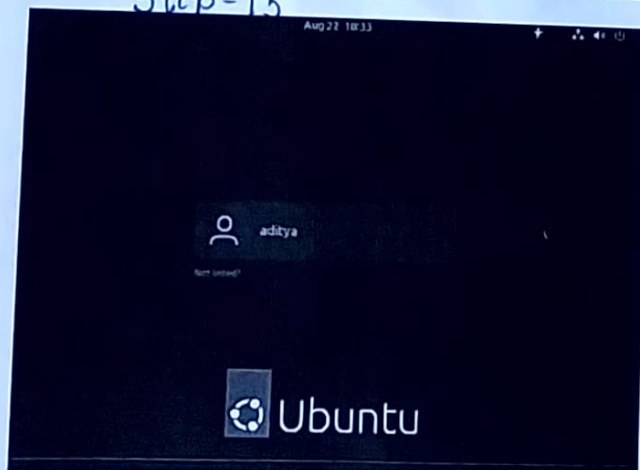
Step-13



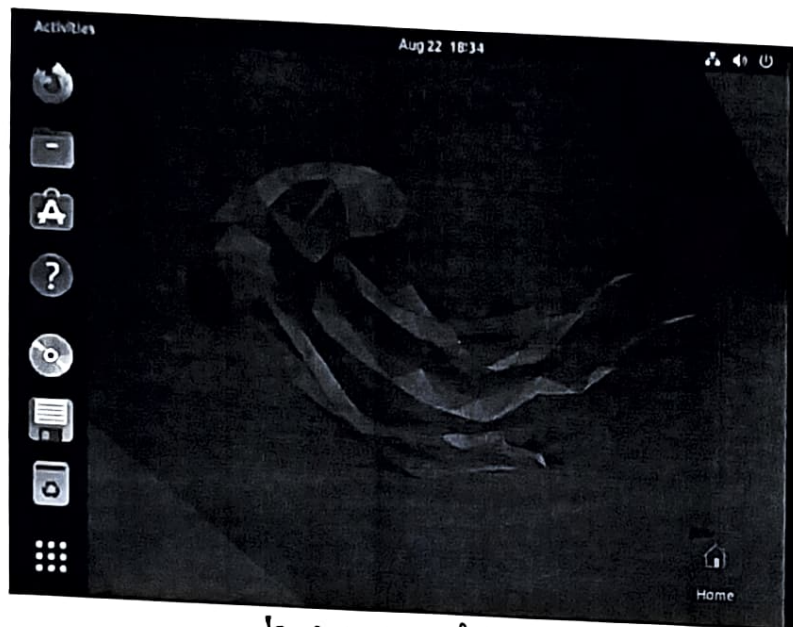
Step-14



Step-15



6. Result/Output/Writing Summary:



home page of Ubuntu

In this experiment we installed Linux (Ubuntu) using Vmware Workstation

7. Graphs (If Any): Image /Soft copy of graph paper to be attached here

None