# LAB 1 Installation of Linux (Ubuntu)

**Instructor info:** 

Name:

**Email:** 

# Linux (Ubuntu) Installation



- The Steps involved are :
- Download & install VMWare Player.
- Download Ubuntu 12.04 LTS
- Install Ubuntu with VMWare Player.

#### What is virtualization?



- What is VMWare Player?
  - VMware Player is a virtualization software package supplied free of charge by VMware, Inc.
- What is virtualization?
  - Virtualization allows us to run one operating system(Guest OS) to run on another operating system(Host OS).

## Linux (Ubuntu) Installation

- VMware, Inc. is a subsidiary of Dell Technologies that provides cloud computing and platform virtualization software and services
- Was the first commercially successful company to virtualize the x86 architecture

### Installing VMWare Player



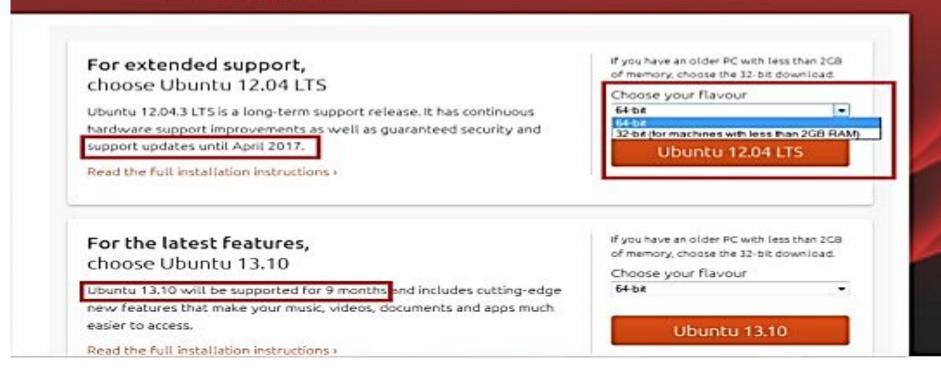
- The installation of VMWare player is very simple.
- Double click the downloaded setup file to run installer & follow appropriate installation steps.

#### Downloading Ubuntu

 Download the Ubuntu Desktop distribution from following URL

http://www.ubuntu.com/download/desktop

Select the release to match your requirement & system architecture.



- Open the VMWare Player.
- Now click the link "Create New Virtual Machine"



#### Welcome to VMware Player



#### Create a New Virtual Machine

Create a new virtual machine, which will then be added to the top of your library.



#### Open a Virtual Machine

Open an existing virtual machine, which will then be added to the top of your library.



#### Upgrade to VMware Workstation

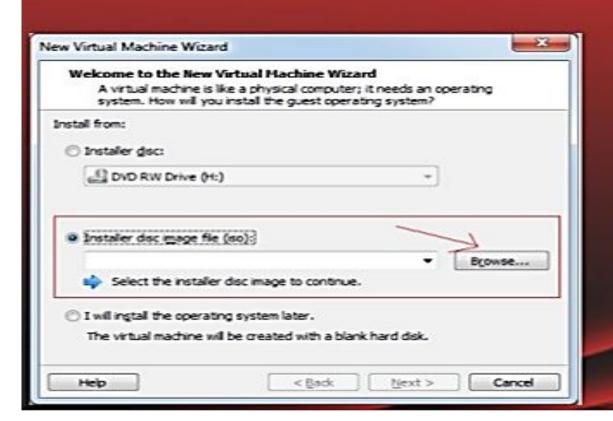
Get advanced features such as snapshots, developer tool integration, and more.



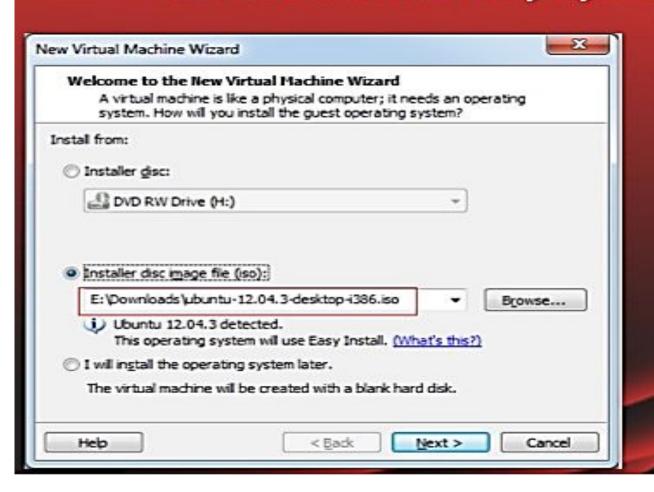
#### Help

View VMware Player's help contents.

Select option Installer disc image file & click "Browse...



Select Downloaded 'iso' file for Ubuntu. & click "Next"





Fill in the required information & continue the installation.



 Select the directory where virtual machine files to be saved. Make sure you have sufficient space on that disk.





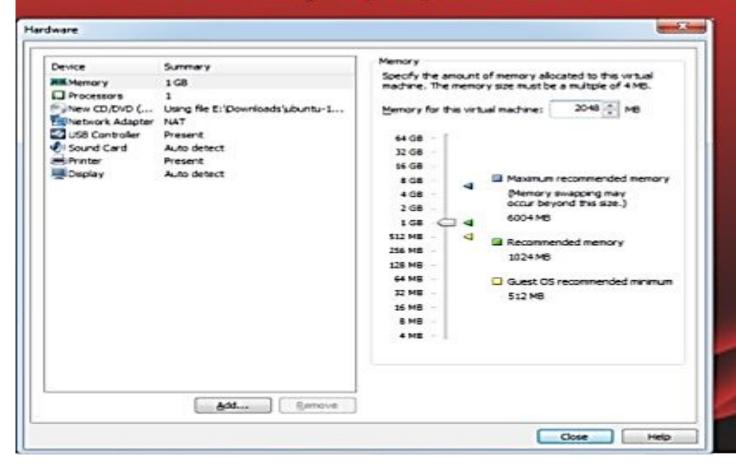
Select amount of disk space for Ubuntu installation.



Click "Customize Hardware..." to view virtual machine configuration.



 We can now set amount of RAM, no of processors, network adapter, CD/DVD drives etc. For virtual machine.



- Once we click finish "Ubuntu" installation starts.
- If you want to try Ubuntu Live media without any installation click Try Ubuntu else click "Install Ubuntu" to cotinue installation. Follow the wizard for installation.





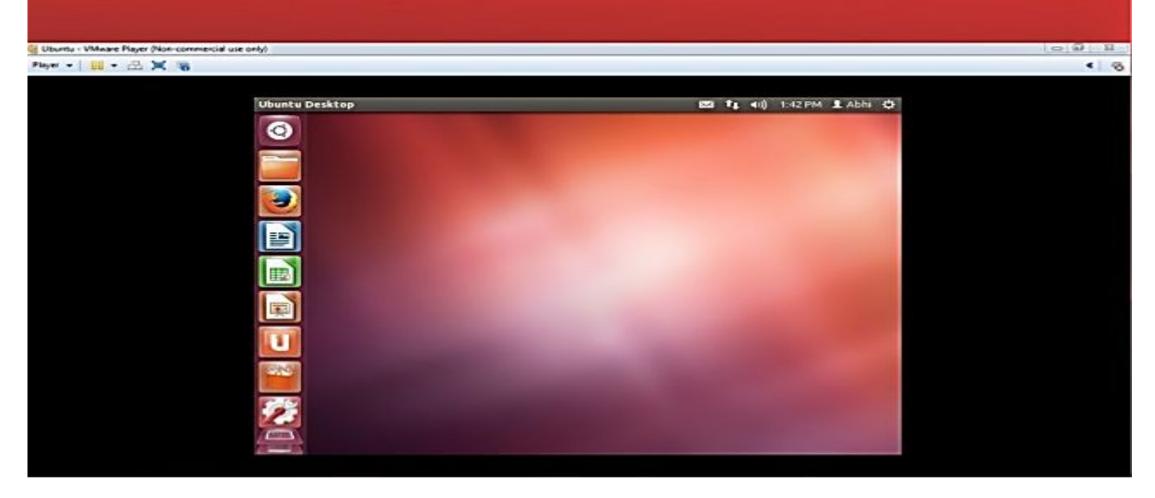
Once installation is complete virtual machine will reboot
 & ubuntu linux starts, will ask for login credentials.





Now you can enjoy your Ubuntu environment.





## Compilers Installation

- Following compilers are used for C and C++ language:
  - For C language: gcc
    - Command: sudo apt-get install gcc
  - For C++ Language: g++
    - Command: sudo apt-get install g++

## Test g++ Compiler Installation

## Test gcc Compiler Installation

```
Create file by right click and name it as "test.c"
Add this code into file and save:

#include<stdio.h>

Compile this code using following steps:void main() {

To compile: gcc -o obj test.c

printf("Hello! This is my first C program with Ubuntu 11.10\n");

/* Do something more if you want */
}

Done, Check the output on command prompt
```