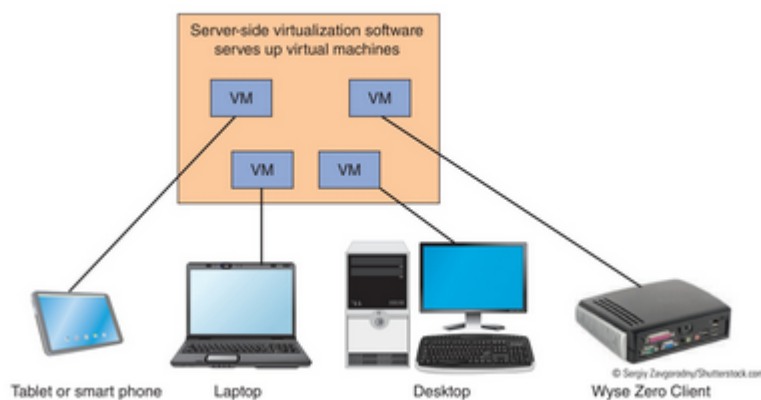# Week Report 2

The Basics of Virtualization

What is virtualization

Replication of hardware to simulate a virtual machine inside a physical machine

1. **Types of virtualization**

Server-side Virtualization Programs and operations of virtualization is run on the server.

Client-side Virtualization Programs and operation of virtualization is run on the client
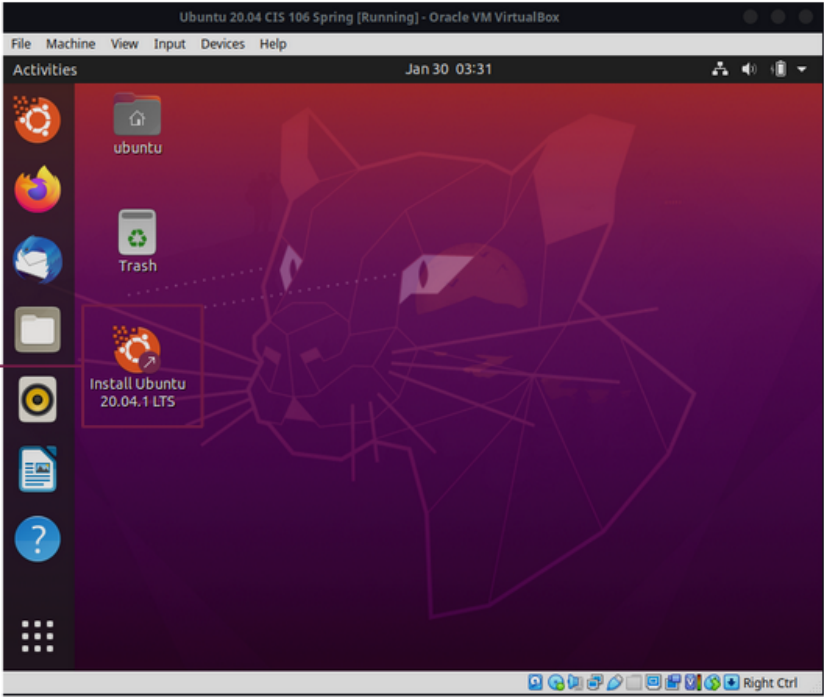

Installing Ubuntu in Virtualbox

- Ubuntu Installation

Step 1

To start Ubiquity, double click on the "**Install Ubuntu 18.04.4 LTS**" icon. This will launch the installation wizard.
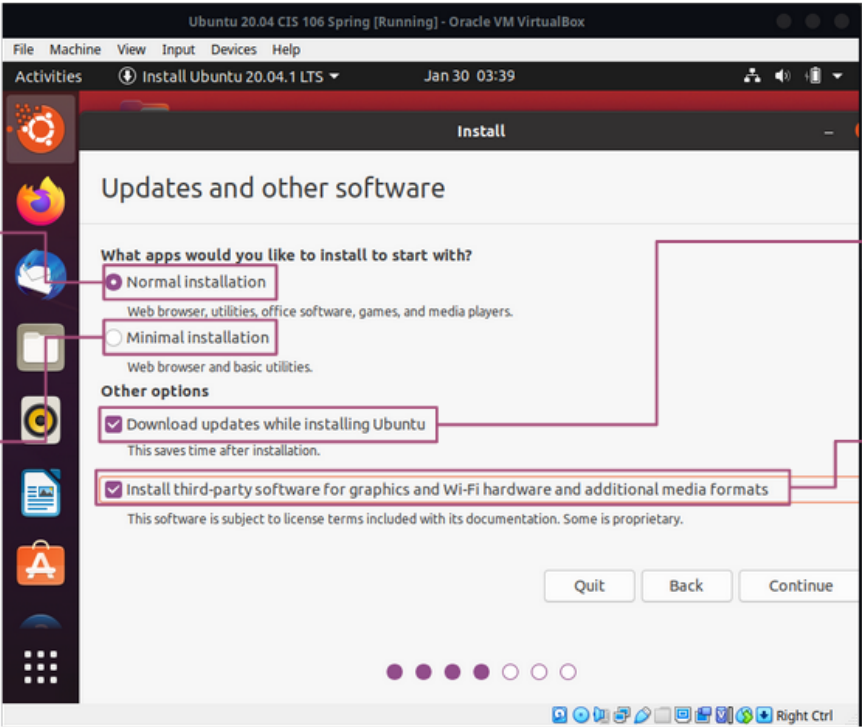
You can use the live environment as a regular computer. All ubuntu's default applications are available in this environment. However, any changes will not remain as well as any data saved in this environment

Step 2

Normal Installation installs all the default applications.

Minimal Installation installs Only basic utilities and a web browser.

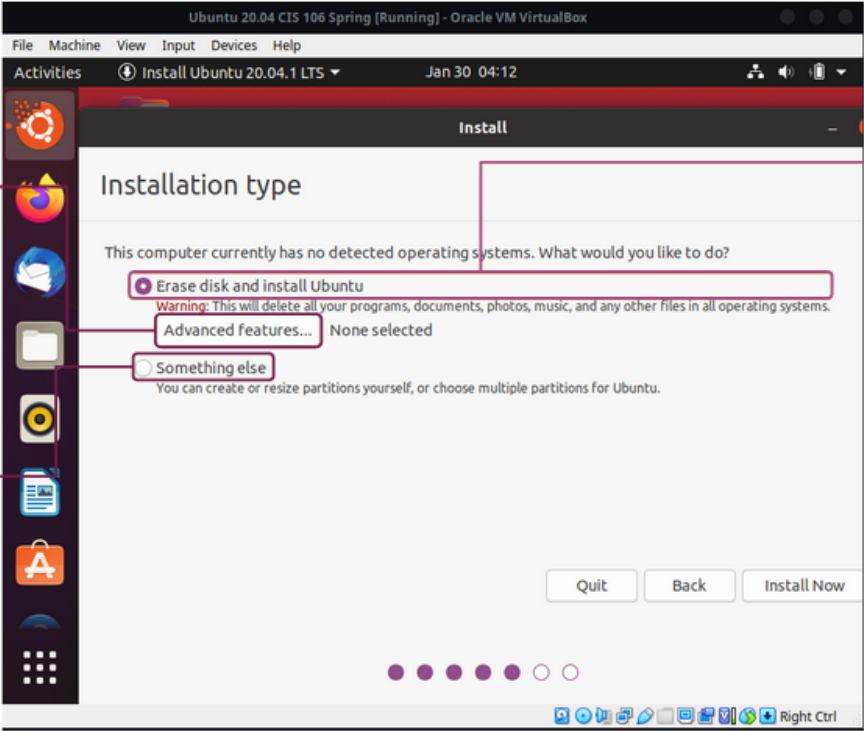Allows you to install updates during the installation process

Installs third party applications and extra drivers.

Step 3

Advance features
Allows you to use LVM, disk encryption, and ZFS as the file system.

Something else
Allows you to partition your hard drive as you desire.
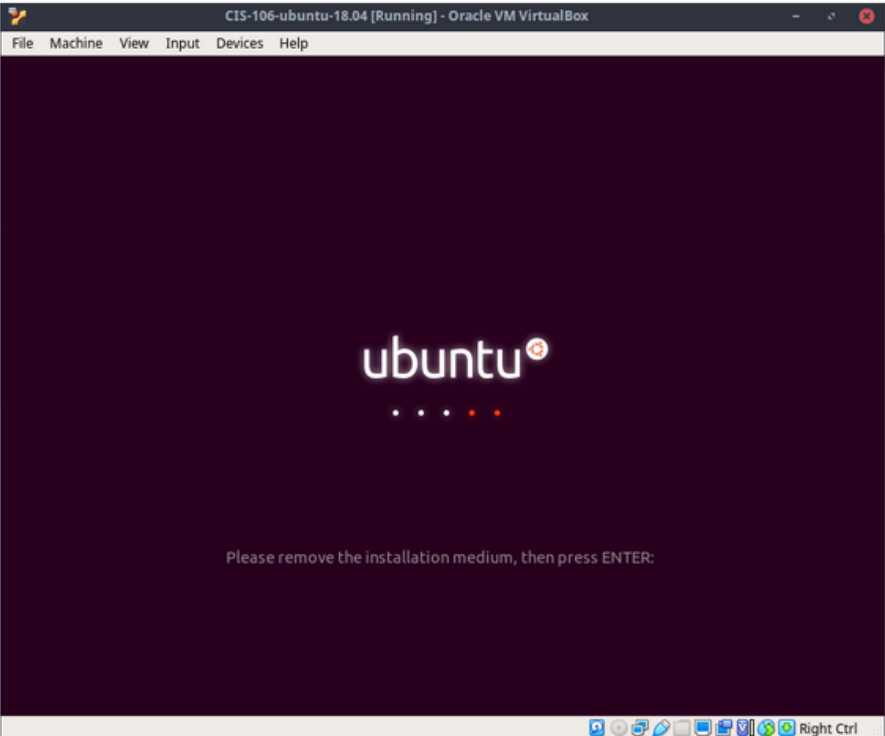
Erase disk and install Ubuntu will erase and format the virtual hard drive to use Ubuntu

2

Step 4

Since we are installing Ubuntu in a virtual machine, you can just press enter and the virtual machine will continue rebooting.

3