

Week Report 2

The Basics of Virtualization

1. What is virtualization

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

1. Types of virtualization

Server-side Virtualization Definition: Programs and operations of virtualization is taking place on the

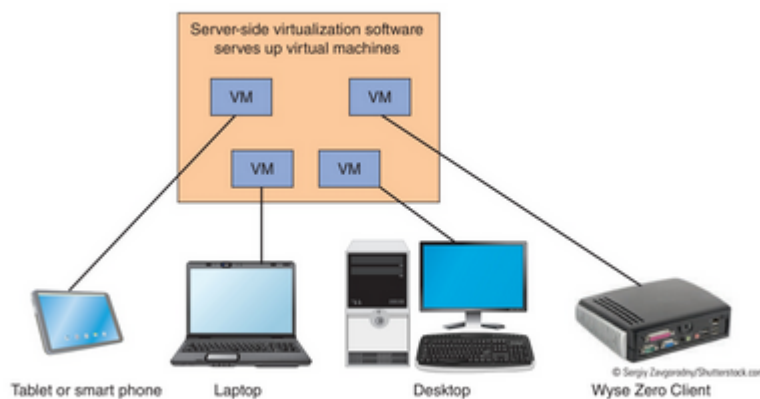


Figure 20-1 Server-side virtualization provides a virtual desktop to each user

server.

Client-side Virtualization Definition: Programs and operations of virtualization is taking place within the



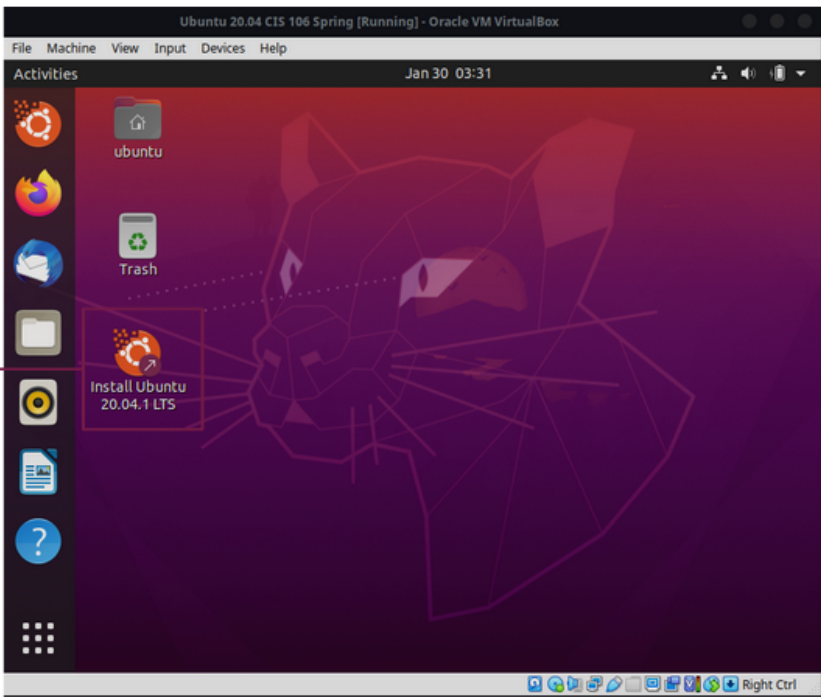
client.

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.



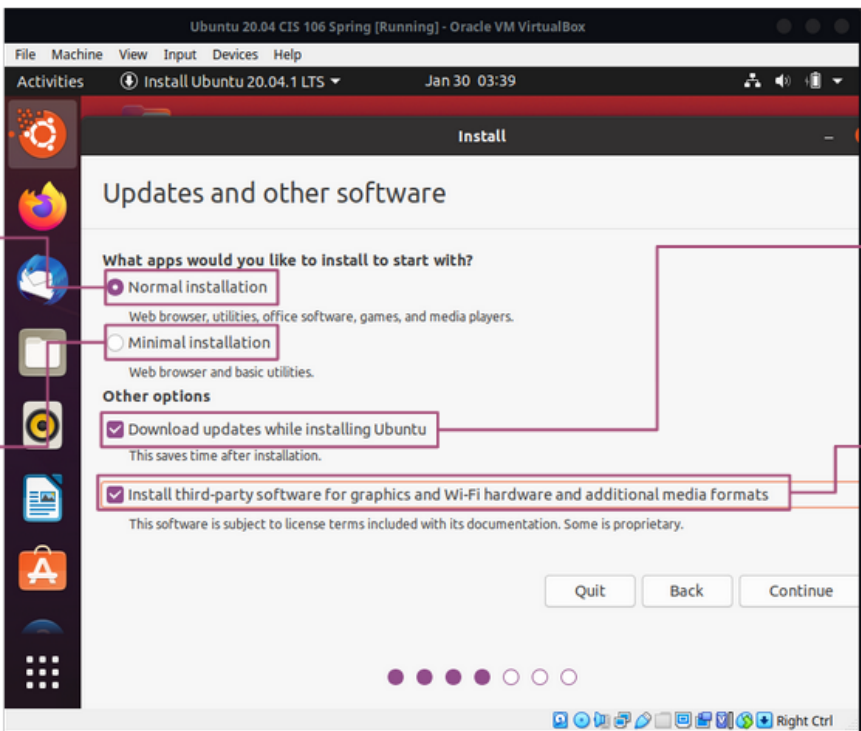
You can use the live environment as a regular computer. All ubuntu's default applications are available in this environment. However, any changes will not remain as well as any data saved in this environment

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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.

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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.

Ubuntu 20.04 CTS 106 Spring [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Install Ubuntu 20.04.1 LTS Jan 30 04:12

Install

Installation type

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

☒ Erase disk and install Ubuntu
Warning: This will delete all your programs, documents, photos, music, and any other files in all operating systems.

☐ Advanced features... None selected

☐ Something else
You can create or resize partitions yourself, or choose multiple partitions for Ubuntu.

Quit Back Install Now

Erase disk and install Ubuntu
will erase and format the virtual hard drive to use Ubuntu

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Step 4

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

CIS-106-ubuntu-18.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

ubuntu

Please remove the installation medium, then press ENTER:

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