

Week Report 2

Summary of Presentations: Virtualization

1. What is virtualization?

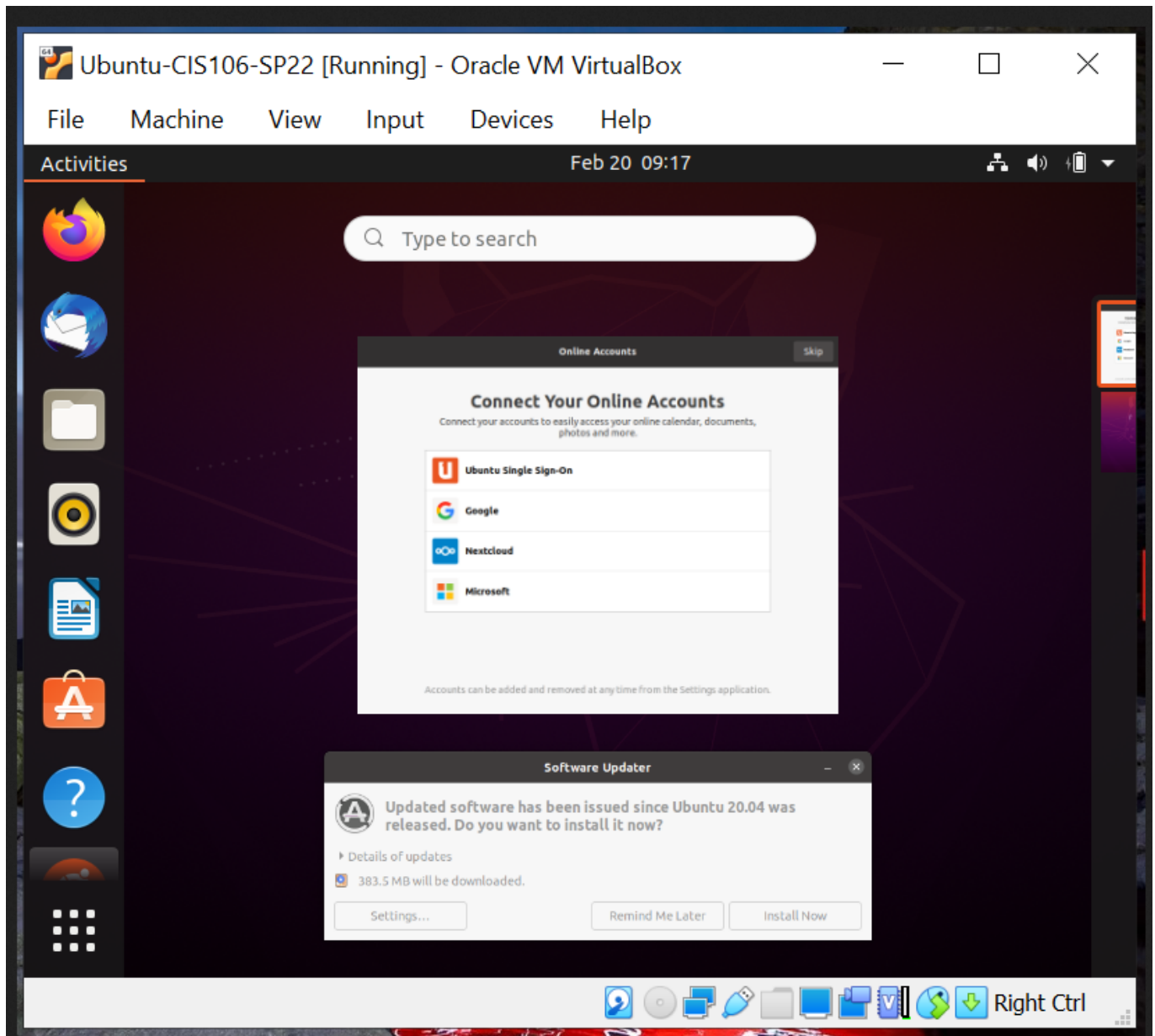
- It is the imitation of all or part of a computer or network.
- The purpose if a virtual machine is to run a virtual PC within a physical PC.
- Virtualization can be used for learning purposes such as learning, testing, or running an application.
- Virtualization: In the case of a single computer, virtualization can imitate the hardware, Os(Operating system) and applications.
 - *Hardware: It includes the physical parts of a computer, CPU central processing unit, monitor, keyboard, graphic cards, speaker.
 - *OS Operating system: Software that controls a computer.

Types of virtualization

Types of virtualizations: There are two types of virtualizations: Server side virtualization and Client side virtualization.

- Serve side virtualization: It is the process of diving physical server into multiple virtual servers. Each virtual server can run its own operating system.
- Client-side virtualization: In a business environment, companies must manage technological resources by cutting costs and allocating resources wisely. Client virtualization is a popular method by providing applications, file sharing service and other tools.

Virtualbox Screenshots



what is a Raspberry pi?

1. A bulleted list of different models Raspebrry Pi is a computer, they are great for building your own prototype of robots, security camera, music, games and others.
 - Raspberry Pi B+
 - Raspberry Pi 2B
 - Raspberry Pi 3B
 - Raspberry Pi 3B+
2. Specs of the latest model (Raspberry pi 4 or 400) you can use a screenshot. One of the latest models in the family of Raspberry Pi computers is the Raspberry Pi 400.
3. Bulleted listed of 5 projects you can do with a raspberry pi. Use the internet to find this information.
 - control your lights at home
 - Play games
 - a new operating system
 - learn linux commands

- Install Nextcloud