

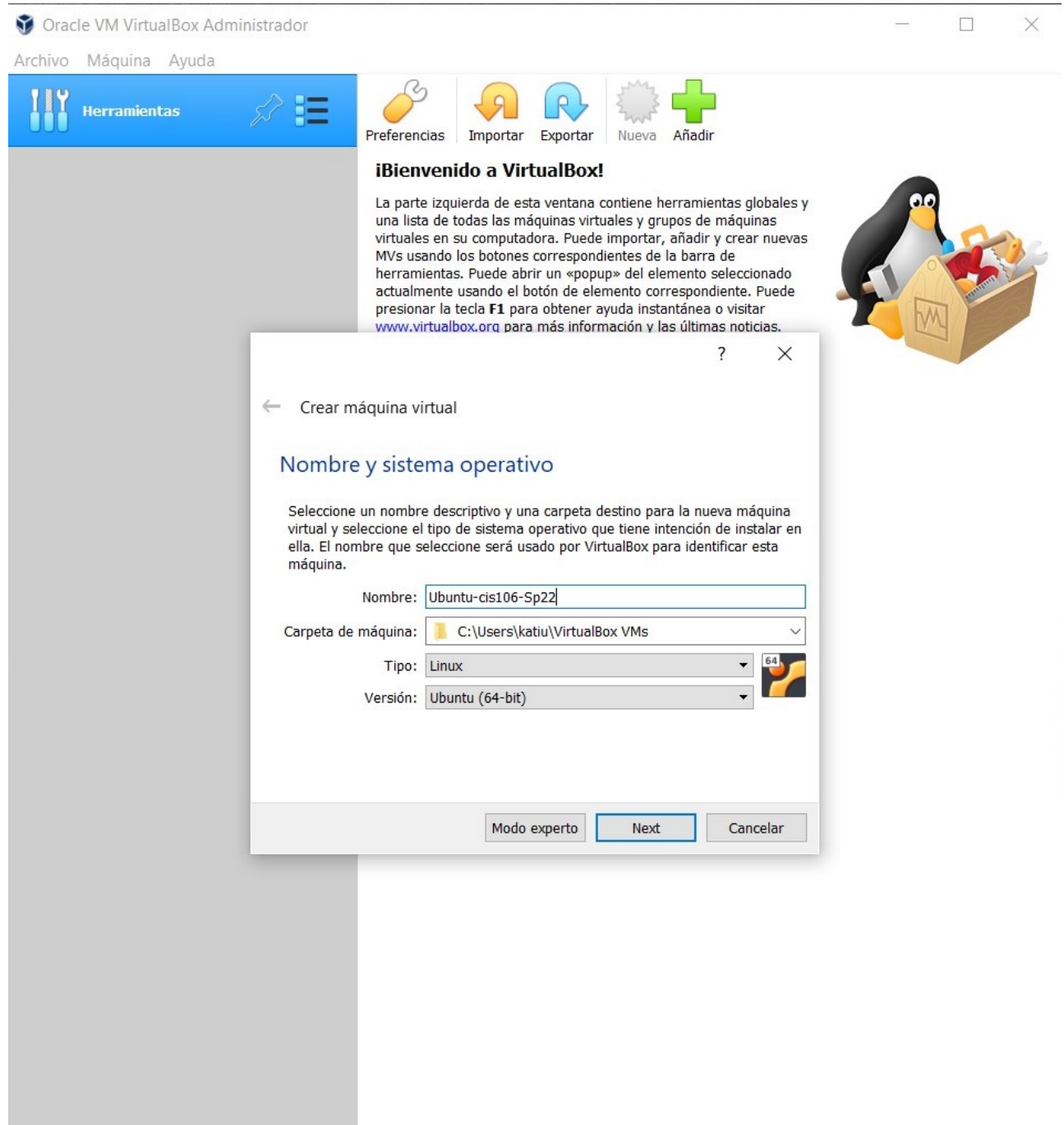
Week Report 2

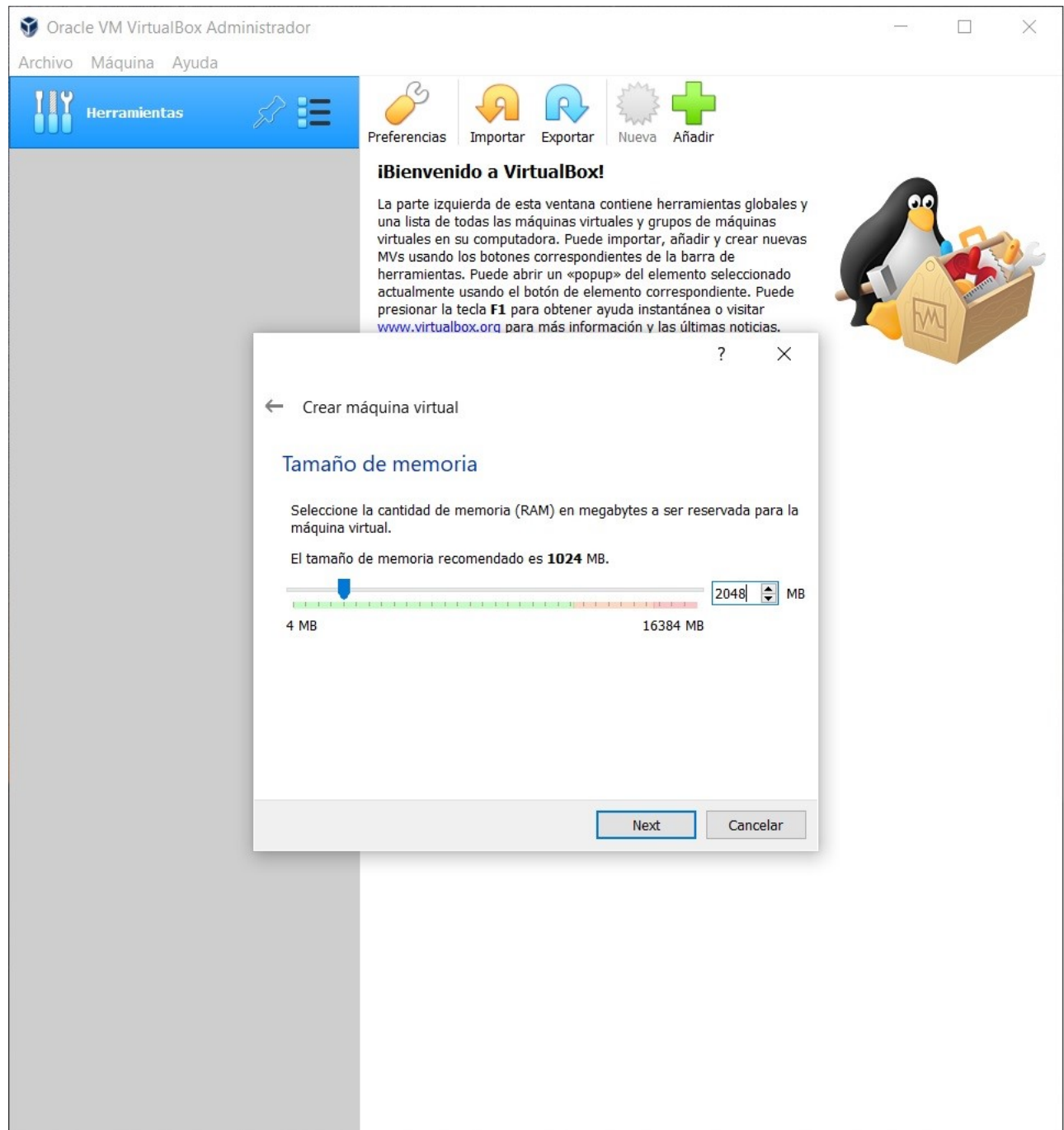
Summary of Presentations

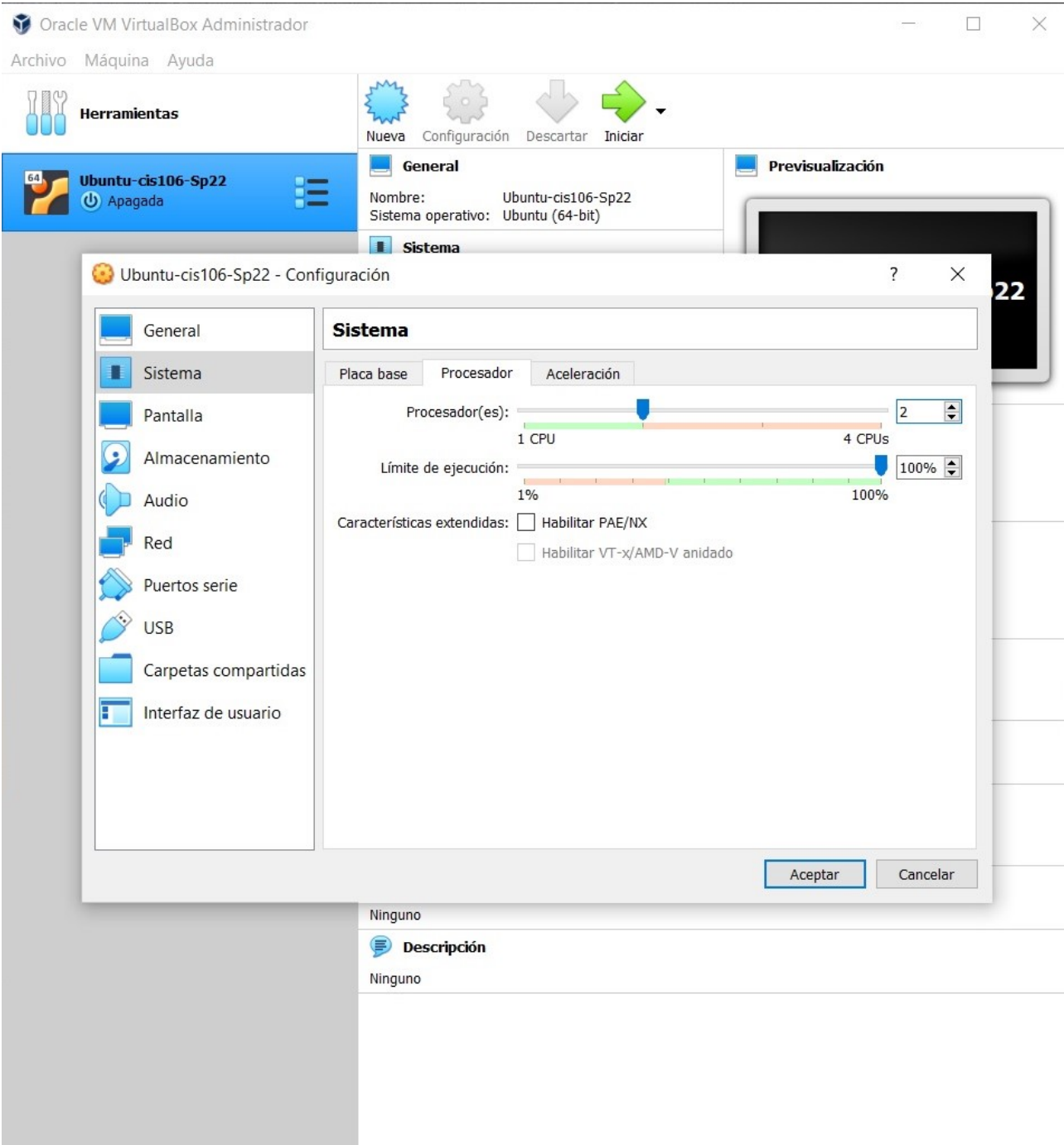
What is virtualization

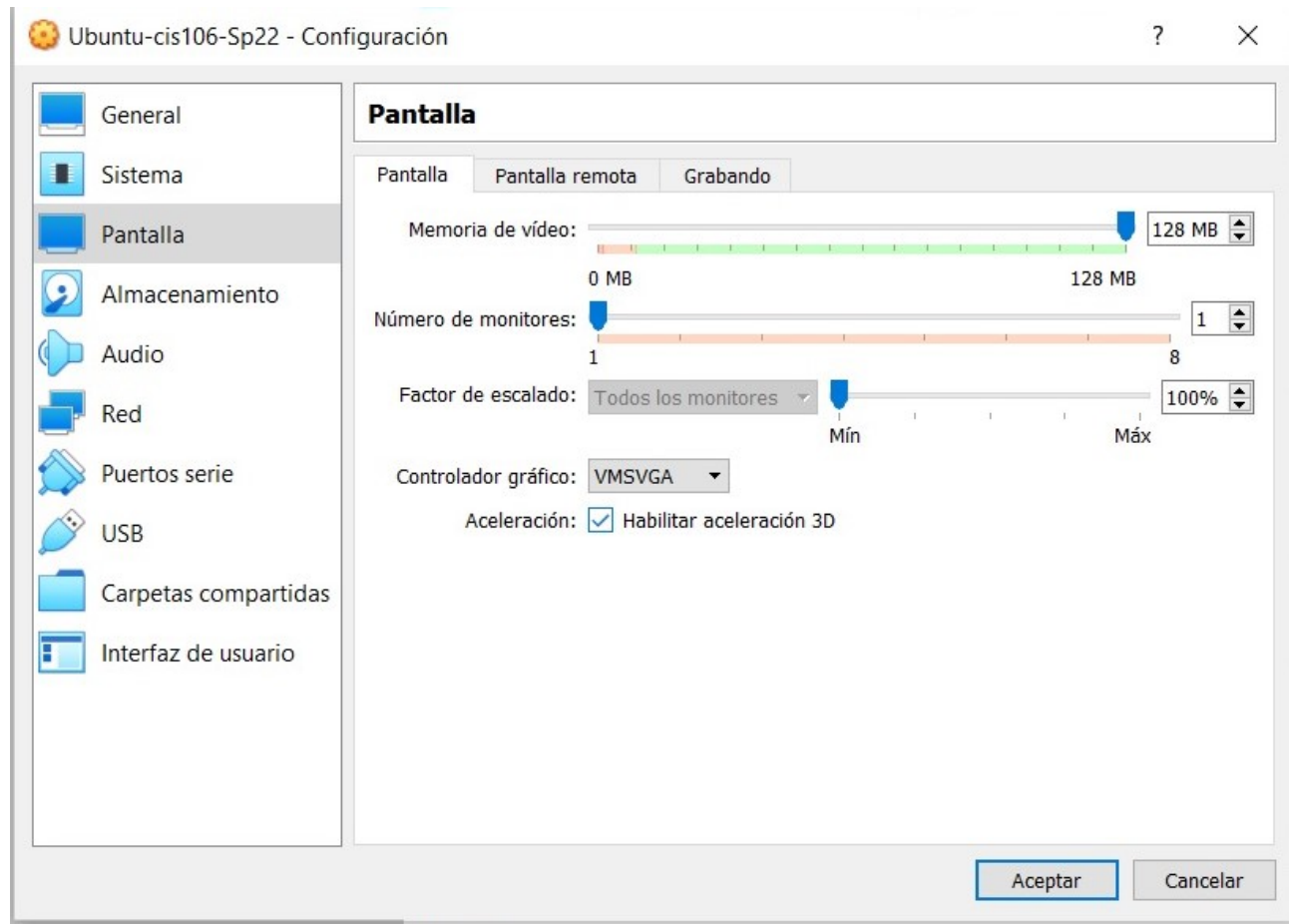
- Simulation of a computer inside a physical machine.
- There are 2 general types: - Server-side virtualization: process of creating multiple servers instances from one physical server. * Virtual Desktop Infraestructure(VDI): + Thick client or fat client + Thin Client + Zero client
- Client-side virtualization: is a VM in the user's pc.
- Characteristics:
 - Each pc has its own Os.
 - A hypervisor is needed to manage the VM.
- Type of hypervisor :
 - Type 1 runs on the hardware . It replaces the Os that you are using.ex,Vmware ESX/ESXI.
 - Type 2 runs on host Os installed in your pc. ex,Vmware workstation player/pro and Oracle virtualbox.
- Benefits of virtualization:
 - Allow you tested before installing.
 - Reduces cost.
 - Increase the time labor.

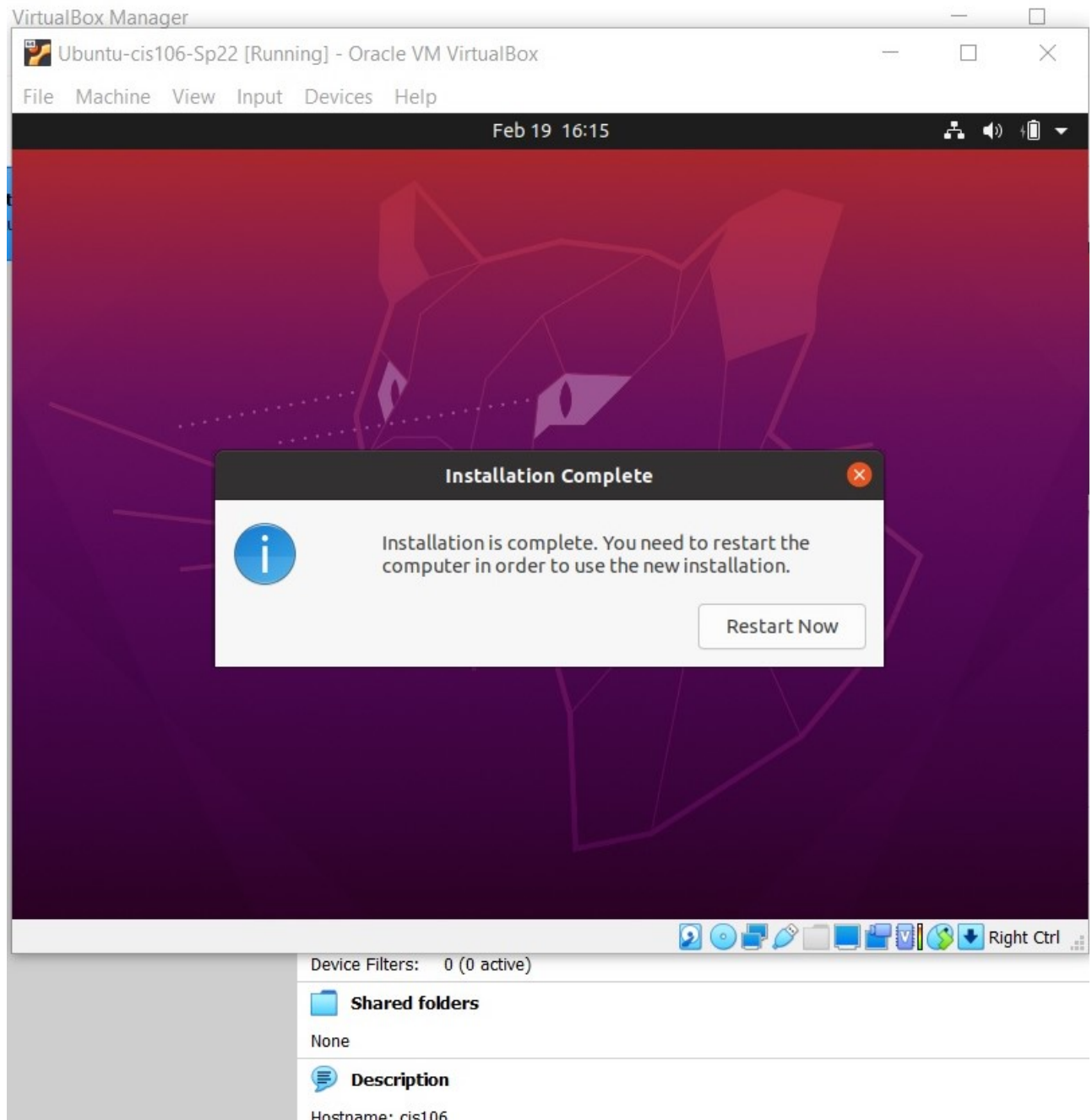
- Installing Ubuntu in Virtualbox











Raspberry pi

- Small computer that can be plug into a monitor or tv
- Raspberry pi models:
 - Raspberry PI 4
 - Raspberry PI 3
 - Pi Zero W
 - Pi 3 A+
 - Raspberry Pi 400

Specs of the latest model (Raspberry pi 4 or 400) you can use a screenshot.



- It's the most powerful Raspberry Pi built into a compact keyboard.
- quad-core
- 64-bit processor
- 4 Gb of RAM
- wireless networking
- dual-display output
- 4k video playback

5 projects you can do with a raspberry pi. Use the internet to find this information.

- Speech Recognition
- Media Center
- Timelapse Camera
- Solar-Powered Bitcoin Miner
- Shutdown /Restart Button