Week Report 2

Summary of Presentations

What is virtualization? Replication of hardware to simulate a virtual machine inside a physical machine

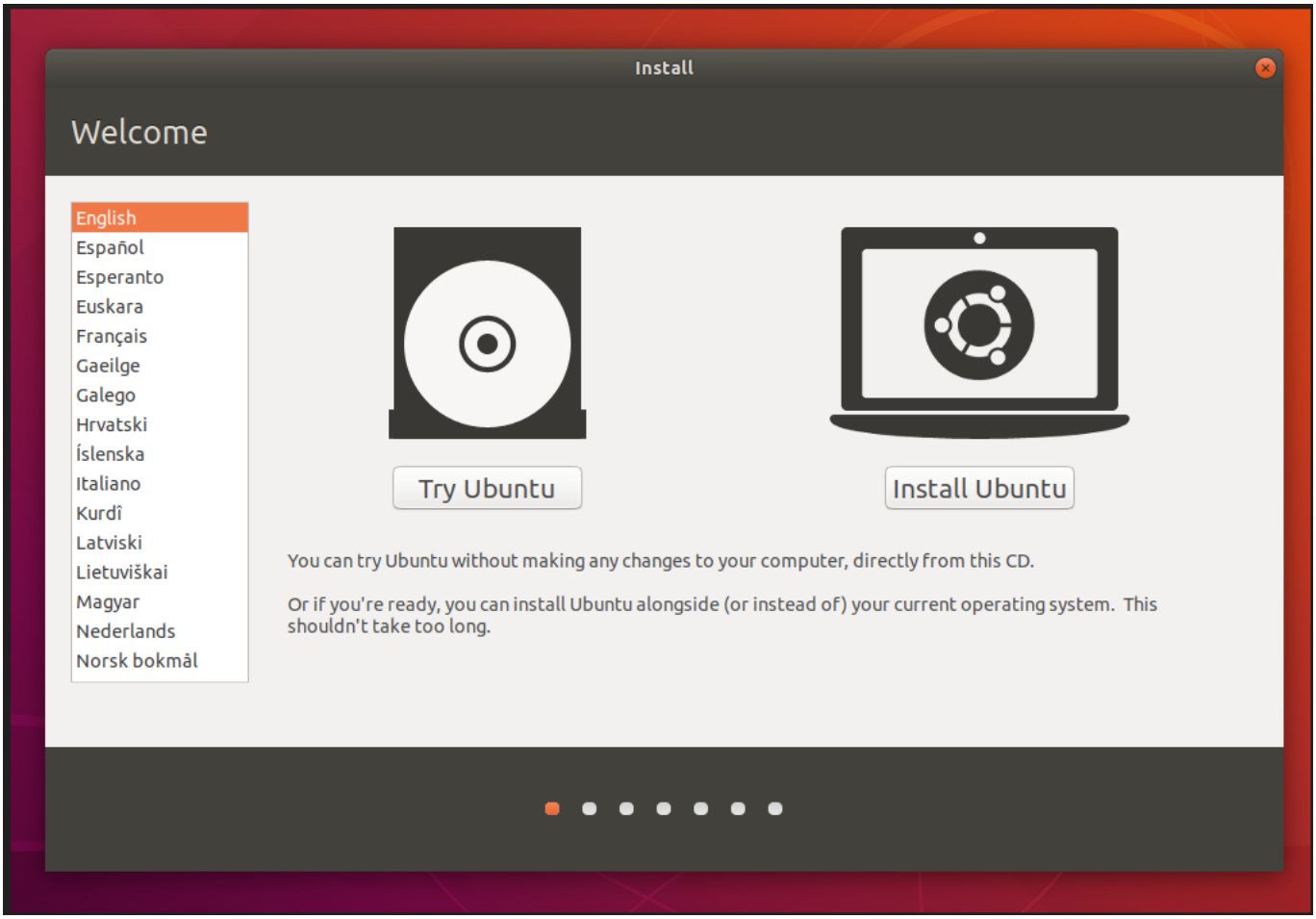
Types of virtualization?

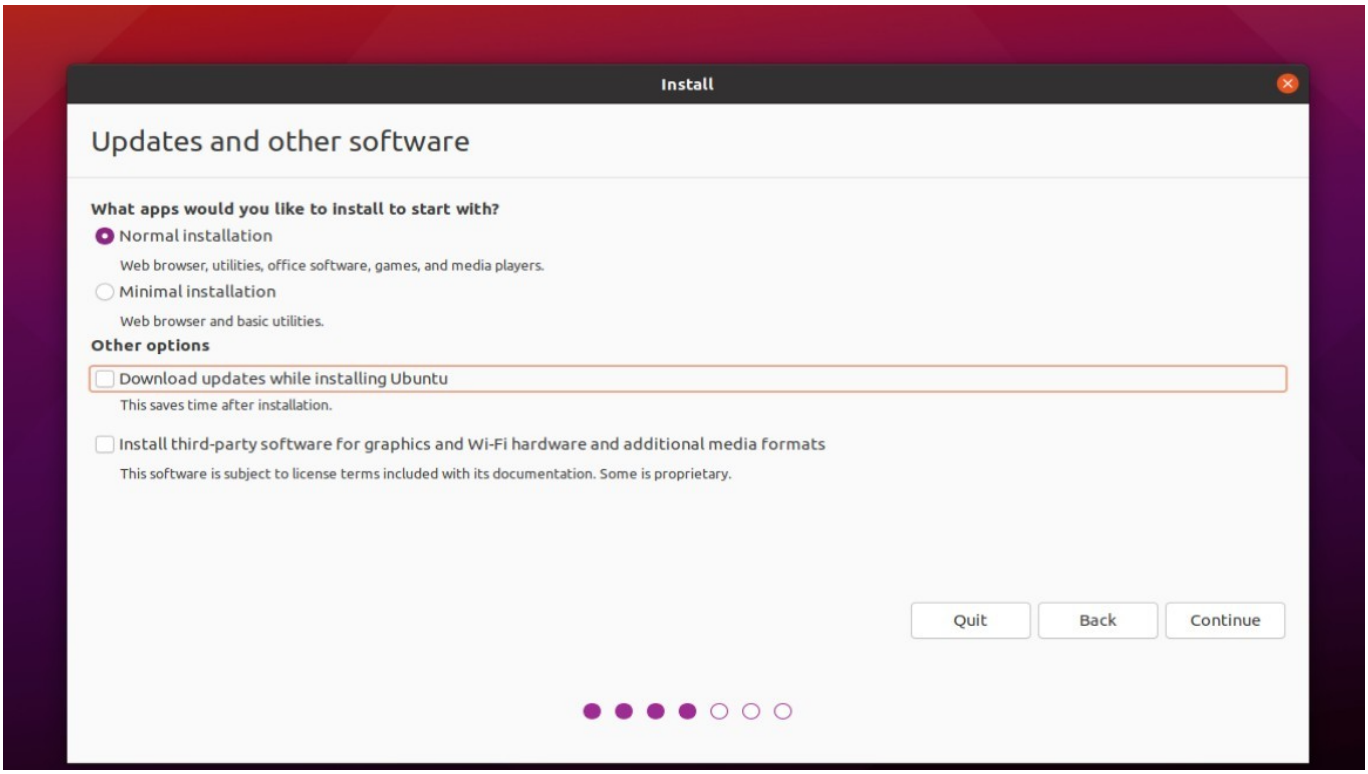
server-side virtualization client-side virtualization

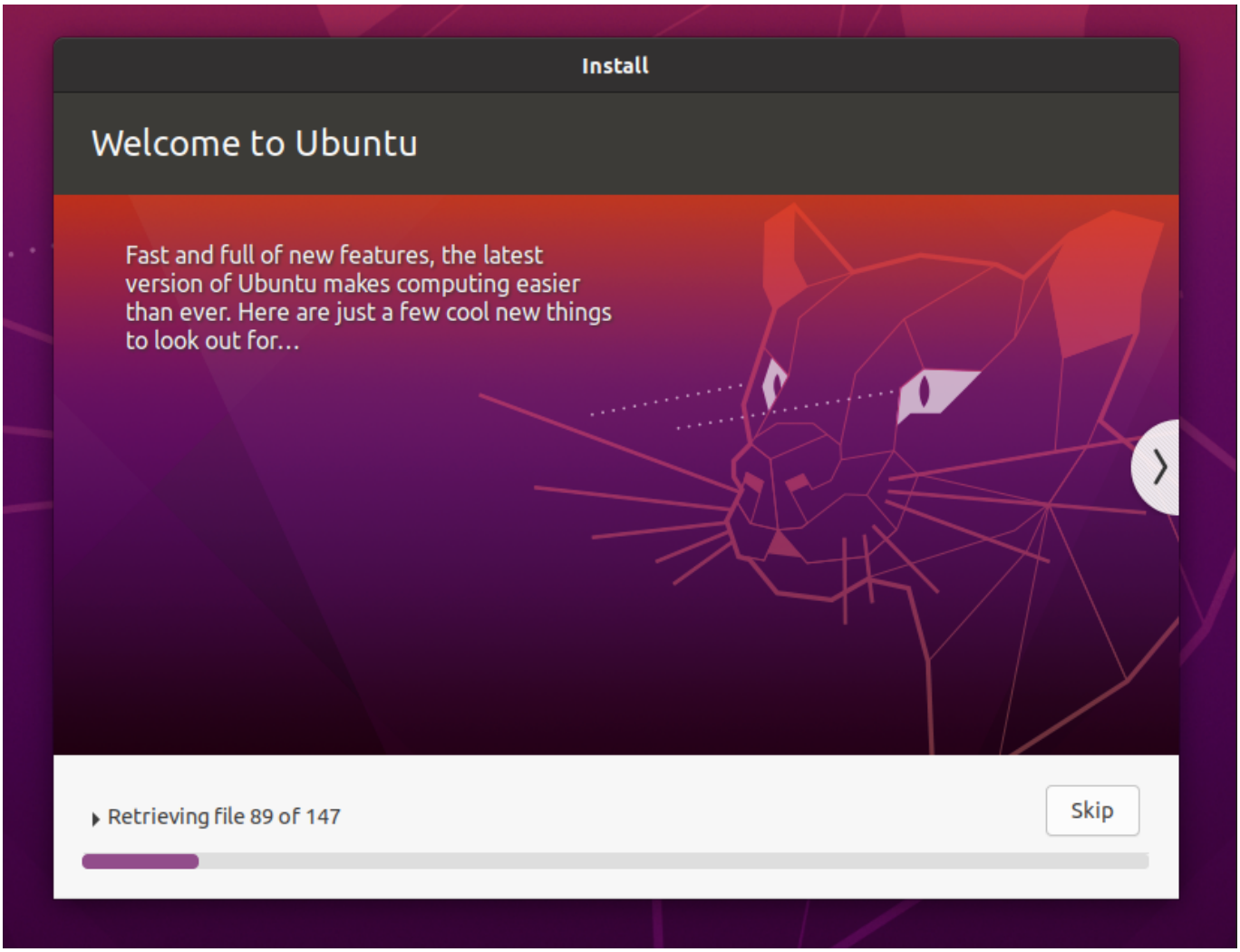
anything else you find important.

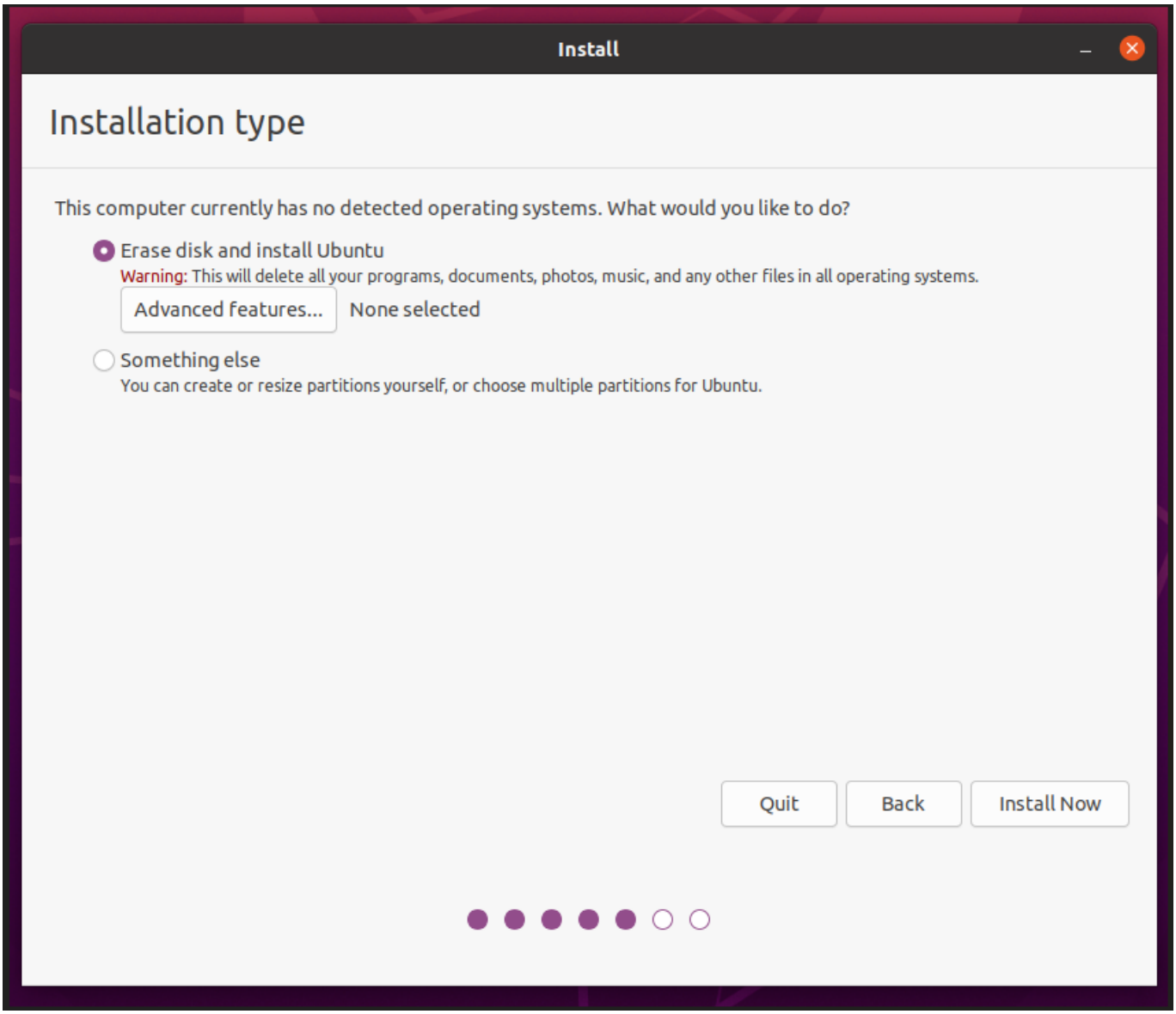
- allows running multiple OSs on one machine.
- allows application to be tested before installing them on a host machine.
- Runs on: windows,linux,macintosh,Solaris

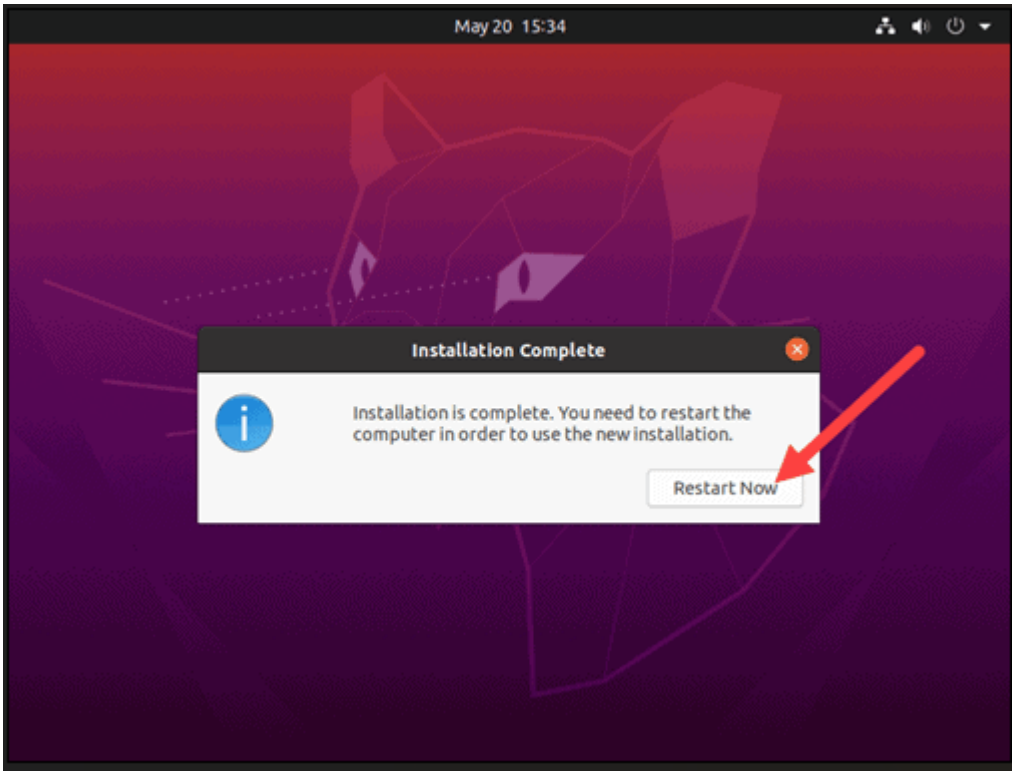
Installing Ubuntu in Virtualbox




Install
Updates and other software
What apps would you like to install to start with?
Normal installation
Web browser, utilities, office software, games, and media players.
Minimal installation
Web browser and basic utilities.
Other options
Download updates while installing Ubuntu
This saves time after installation.
Install third-party software for graphics and Wi-Fi hardware and additional media formats
This software is subject to license terms included with its documentation. Some is proprietary.
Quit
Back
Continue


Install
Welcome to Ubuntu
Fast and full of new features, the latest version of Ubuntu makes computing easier than ever. Here are just a few cool new things to look out for...
Retrieving file 89 of 147
Skip


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


May 20 15:34
Installation Complete
Installation is complete. You need to restart the computer in order to use the new installation.
Restart Now

Read the presentation What is a raspberry pi. Include the following in your summary:

What is a raspberry pi The Raspberry Pi is a low cost, credit-card sized computer that plugs into a computer monitor or TV, and uses a standard keyboard and mouse.

A bulleted list of different models

- Pi 1 Model B (2012)
- Pi 1 Model A (2013)
- Pi 1 Model B+ (2014)
- Pi 1 Model A+ (2014)
- Pi 2 Model B (2015)
- Pi Zero (2015)
- Pi 3 Model B (2016)
- Pi Zero W (2017)
- Pi 3 Model B+ (2018)
- Pi 3 Model A+ (2019)
- Pi 4 Model A (2019)
- Pi 4 Model B (2020)
- Pi 400 (2021)

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

Pi 400 CPU: 1.8GHz 64-bit quad-core ARMv8 RAM: 4GB USB: 1 USB 2 port, 3 USB 3 ports Connectivity: Ethernet, Wi-Fi, Bluetooth Form factor: Built-in keyboard $70

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

- Google Enabled Magic Mirror.
- Solar-Powered Pi.
- Game Console.
- Remote-Controlled 3D Printer.
- Language Translator.
- Satellite Tracking Globe.
- PC Hardware Stats Monitor.
- Security Camera.