

Sistemas Informáticos (Computer Systems)

Unit 04. Study guide



Authors: Sergi García

Updated October 2023



UNIT 04. VIRTUAL MACHINES AND CONTAINERS

1. DATES

From 30/10/2023 to 05/11/2023. The length of the unit is 1 week (8 hours).

2. PREVIOUS KNOWLEDGE

- Previous units, specially unit 03.

3. OBJECTIVES

- To learn what is a virtual machine.
- To learn how to install an operating system in a virtual machine.
- To learn what a container is.
- To learn how to use Docker containers.
- Learn how to use Python conditionals (If/Else statement).

4. CONTENTS

- Types of virtual machines.
- Virtual box.
- Docker.
- Python conditionals (If/Else statement).

5. ACTIVITIES

- Research and development activities, trying to install a dual boot with Windows 10 y Ubuntu (Linux).
- Research and development activities, using Docker.
- Python activities.

6. RECOMMENDATIONS

It is very important to go to the TC with the main concepts studied.