

Sistemas Informáticos (Computer Systems)

Unit 04. Study guide



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UNIT 04. VIRTUAL MACHINES AND CONTAINERS

1. DATES

From 31/10/2022 to 06/11/2022. 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.