

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.

### 4. CONTENTS

- Types of virtual machines.
- Virtual box.
- Docker.

### 5. ACTIVITIES

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

### 6. RECOMMENDATIONS

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