Sistemas Informáticos (Computer Systems)  
Unit 04. Study guide

short line

Authors: Sergi García

Updated October 2023

Unit 04. Virtual machines and containers

# Dates

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

# Previous knowledge

* Previous units, specially unit 03.

# 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).

# Contents

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

# 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.

# Recommendations

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