Sistemas Informáticos (Computer Systems)  
Unit 05. Study guide

short line

Authors: Sergi García

Updated October 2022

Unit 05. Linux

# Dates

From 07/11/2022 to 27/11/2022. The length of the unit is 3 weeks (24 hours).

# Previous knowledge

* Unit 03. Fundamentals of operating systems.
* Unit 04. Virtual machines and containers.

# Objectives

* To learn what is Linux.
* To learn what is a distribution.
* To learn the different types of licences.
* To learn how to install Linux.
* To learn how Linux calls the devices.
* To learn how to create several partitions.
* To learn how to install programs on Linux.
* To learn basic Linux commands.
* To learn how to manage users and groups.
* To learn how to set permissions to files and directories.

# Contents

It is very important to use this free book about Linux command line (“The Linux command line” <http://linuxcommand.org/tlcl.php>) as reference. Contents are:

* What is Linux.
* Software licences.
* Installation.
* Applications.
* Users, groups and permissions.
* Main commands.

# Activities

Activities installing a Linux system with a determinate configuration and using Linux Commands.

# Recommendations

This is a large and practical unit. The most important is to get acquainted with Linux. There are a few concepts, but you need to practice a lot with them. Also, it is very important to go to the TC with the main concepts studied.

It is very important:

• To know the different types of software licences.

• To install Linux in a custom way.

• To understand the way in which Linux calls devices.

• To learn how to install programs.

• To learn how to manage users, groups, and how to set permissions.

• To learn basic Linux commands.