

Sistemas Informáticos (Computer Systems)

# Unit 05. Study guide

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## UNIT 05. LINUX

### 1. DATES

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

### 2. PREVIOUS KNOWLEDGE

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

### 3. 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.

### 4. 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.

### 5. ACTIVITIES

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

### 6. 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.