# Computer Systems – Study guide UD 10. LINUX

CEGS DAW

Sergio García / Alfredo Oltra

sergio.garcia@ceedcv.es
alfredo.oltra@ceedcv.es

2022/2023

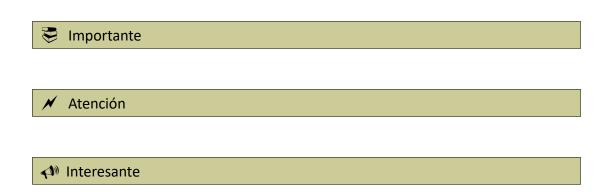
Versión:220729.2105

#### Licencia

**Reconocimiento - NoComercial - CompartirIgual (by-nc-sa)**: No se permite un uso comercial de la obra original ni de las posibles obras derivadas, la distribución de las cuales se debe hacer con una licencia igual a la que regula la obra original.

#### Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:



## **ÍNDICE DE CONTENIDO**

1. Data	4
2. Previous knowledge	
3. Objectives	
4. Contents	
5. Activities	
6 Pecommendations	

COMPUTER SYSTEMS UD10. LINUX

### UD10. LINUX

#### 1. DATA

From 03/02/2020 to 23/03/2020. The length of this unit is 3 weeks (24 hours).

#### 2. PREVIOUS KNOWLEDGE

- Unit 5. Fundamentals of operating systems.
- Unit 6. Virtual machines
- Unit 7. Windows administration

#### 3. OBJECTIVES

- 1. To learn what is Linux.
- 2. To learn what is a distribution.
- 3. To learn the different types of licenses.
- 4. To learn how to install Linux.
- 5. To learn how Linux calls the devices.
- 6. To learn how to create several partitions.
- 7. To learn how to install programs in Linux.
- 8. To learn basic Linux commands.
- 9. To learn how to manage users and groups.
- 10. To learn how to set permissions to files and directories.

CFGS. DAM/DAW 10.3

COMPUTER SYSTEMS UD10. LINUX

#### 4. CONTENTS

It is very important to use this free book about Linux command line ("The Linux command line" <a href="http://linuxcommand.org/tlcl.php">http://linuxcommand.org/tlcl.php</a>) as reference.

- 1. What is Linux.
- 2. Software licenses.
- 3. Installation.
- 4. Applications
- 5. Users
- 6. Groups
- 7. Permissions
- 8. Main commands

#### 5. ACTIVITIES

The first activity is to install Linux in a virtual machine with custom partitions.

Later you have to investigate about system.

#### 6. RECOMMENDATIONS

This is a large and practical unit. The most important is to get acquainted with Linux. There a few concepts, but you need to practice a lot with them.

It is very important:

- To know the different types of software licenses.
- 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 and groups.
- To learn how to set permissions.
- To learn basic Linux commands.

CFGS. DAM/DAW 10.4