

COMPUTER SYSTEMS
UD3: OPERATING SYSTEMS**CFGS**
DAW
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Objectives

To know the hardware requirements of the best known operating systems.
Familiarize yourself with the file systems of the most popular operating systems.
Familiarize yourself with the partitions you need to run Windows and GNU / Linux.

1 Operating System Requirements [3 marks]

Create a table and fill it with the minimum and recommended requirements of the following Operating Systems.

Windows 10 (32-bit and 64-bit)

Windows Server 2012 R2, 2019

Ubuntu Desktop 20.04 LTS. What do the numbers that appear next to the Ubuntu version refer to? And the acronym LTS?.

Ubuntu Server 20.04

The latest version of LUbuntu

The latest version of MacOS

Any other OS you like.

2 File systems [2 marks]

Make a table with the main features of the following file systems. Do not forget to indicate which OS they are used for:

FAT32

extFAT

NTFS

ext4

HFS +

3 Partition Managers [3 marks]

Insert a flash drive / external hard drive into the computer.

On Linux run "*Gparted*", take a screenshot of the partitions for each device and explain the information that appears.

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On Windows, go to the tool "*Disk Manager*", *take* a snapshot of the partitions for each device and explain the information that appears.

Take a screenshot of your home computer partitions and explain the information that appears.

4 Partition tables [2 marks]

Explain the differences between the two types of partition tables: MBR and GPT.