

Sistemas Informáticos (Computer Systems)

# Unit 05. Activities 01

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Authors: Sergi García, Alfredo Oltra

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## UNIT 05. ACTIVITIES 01

### 1. EXERCISE 01

Install of Lubuntu in a virtual machine using those settings:

- Install Lubuntu in a Virtual Box Machine but using two hard disks, “sda” (10 GB) and “sdb” (5GB).
- Create the following partitions:
  - “/” in “sda”, size: 7 GB.
  - Swapping in “sda”, size: 1 GB.
  - “/home” in “sda”, size: the rest of hard disk.
  - “/var” in “sdb”, size: 2.5 GB
- Lastly, create a user with login as the first letter of your name plus your complete surname.

Share if you have success :) or if you have any doubt, ask in forum.

### 2. EXERCISE 02

Using Docker, create one container based on the last Ubuntu image. You can use it in order to investigate, try to solve exercises, etc.

### 3. EXERCISE 03

Installation of applications:

- Using “apt” in the terminal, install:
  - vlc
- Using “Muon”, “synaptic” or a similar program, install:
  - chromium
- Using “Snapd”, “Flatpack” or a similar program, install:
  - Visual Studio Code <https://code.visualstudio.com/>

### 4. EXERCISE 04

- Create in your home a file text called MyFirstLinuxFile.txt. Open it and write the text “I Like Linux”.
- Create in your home a file text called myFirstLinuxFile.txt. Open it and write the text “Wow”.
  - Answer this question: Is Linux file system case-sensitive?

### 5. EXERCISE 05

Read about General Public Licence (GPL), Apache Licence and BSD Licence and explain what are the main differences in forum.