

Sistemas Informáticos (Computer Systems)

Unit 05. Activities 01



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UNIT 05. ACTIVITIES 01

1. EXERCISE 01

Install of Ubuntu in a virtual machine using those settings:

- Install Ubuntu 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.