

Sistemas Informáticos (Computer Systems)

# Unit 04. Activities 01

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## UNIT 04. ACTIVITIES 01

### 1. EXERCISE 01

Investigate how to create a virtual machine and do a dual installation with Windows 10 and Ubuntu (Linux). This video could help you <https://www.youtube.com/watch?v=nBD4KqH5CT8>

- Share your difficulties and doubts in forum (and how have you solved them) in forum, in order to help your classmates.
- Share a screenshot in forum of your dual boot working :)

**Tip 1:** You should install first Windows and lastly Ubuntu (Linux). When you do the partitions, Linux should have enough space to be installed.

**Tip 2:** If you don't have a Windows 10 licence, you have two options:

- There is an evaluation version of Windows 10 in <https://www.microsoft.com/en-us/evalcenter/evaluate-windows-10-enterprise>, but for our activities you can use any version of Windows 10.
- Also, there are Windows 10 "Custom versions" (in order to require less resources) like Tiny10. They are suitable for this exercise, and you can find Tiny10 in <https://archive.org/details/tiny-10-NTDEV>

### 2. EXERCISE 02

Install Docker on your machine (you can ask for help in forum) or try to use online <https://labs.play-with-docker.com/> to practice with Docker.

When you have the environment ready, go to:

<https://sergarb1.github.io/CursoIntroduccionADocker/> and do those guided activities:

- **In order to obtain Docker and Docker Compose required knowledge in our subject:**
  - All practical cases from unit 3.
  - First practical case from unit 5.
  - First and second practical cases from unit 6.
- **Optionally (Not required for our subject, but interesting)**
  - All practical cases from unit 4.
  - Rest of practical cases from unit 5.
  - Rest of practical cases from unit 6.
  - All practical cases from unit 7.
  - All practical cases from unit 8.