

## SOME RECOMMENDATIONS AND ADVICES -II

0- Read recommendations and advices for the Exam 1

1- We will not solve problems with regard to:

- Booting (starting) process
- Software that you should have installed on your system if you have paid attention to our explanations and properly done the exercises.
- How to take screenshots, paste screenshots, open libreoffice or create PDF files
- How to share data between your physical computer and your virtual computer
- How to add virtual hard drives
- How to send your report
- How to run commands

2- Language: English.

3- Answer the questions...every single question no matter how unimportant the question seems to you. Exams are not only about running commands but also, about writing small sentences explaining something using plain English.

4- Do not become root under any circumstance.

5- "As a root user" means: run the command with the help of sudo

7- Do not run command with the help of sudo if you are:

- creating dockers
- checking status of a service with systemctl
- increasing nice value with commands nice or renice
- checking /etc/passwd or /etc/group

8- When you run systemctl status show and mark clearly:

- active(running) vs inactive(dead)
- enable vs disable
- Main PID

9- Show and mark clearly information asked in a question about a process (PID, nice value, user ID,....)

10- Pay attention to error messages displayed by the operating system

11- Mark clearly your answers when you run a command that shows a lot of information but we are asking you about some specific piece of information

12- Remember:

- command nice => starting a new process with the nice value you want, works with names, the process does not exist when you run the command
- command renice => changing nice value of a process running on your system, works with PID, the process exists when you run the command
- Be careful with positive and negative numbers
- ps aux does not show nice value. You need ps -eo with the option ni, or ps -el

14- About hibernation:

- Mark RAM
- Mark SWAP
- If  $SWAP > RAM \Rightarrow$  Yes. The answer is not  $SWAP = 2 \times RAM$ , that is a typical recommendation.

15- Show clearly if it is asked:

- Parameters of a process
- State of a service
- Information about a user
- Information about a group
- Information about a docker