

M01TU01: Final Exam (Theory) Help

Practical Exercise 3

- a) Directory
- b) Directory tree
- c) Linux directory structure
- d) Important files and directories.

Practical Exercise 4

- a) IP, Mask, Router, DNS, MAC
- b) DHCP vs Static Configuration
- c) Configuration Files
- d) Network Manager
- e) What is the purpose of ip, ifconfig, route and ping
- f) Working with ping

Practical Exercise 5

- a) Size disk prefixes
- b) What is a partition?
- b) BIOS: Basic ideas, limitations and MBR Partition table
- c) UEFI and GPT basic ideas
- d) What is GParted?
- g) Disk device files. Disk device files and numbers. SATA (sata0, sata1..)

Practical Exercise 6

- a) Introduction
- b) Traditional Linux access permissions: owner, group, others, rwx
- c) symbolic vs numeric.
- d) Recursion

Practical Exercise 7

- a) 1- Introduction
- b) ACL --> 2.1 Introduction

Practical Exercise 8

- a) 1- Introduction
- b) 2- sudo

Practical Exercise 9

- a) Basic ideas.
- b) Signals
- c) Nice value

Practical Exercise 10

- a) What is a server?
- b) SysVinit and systemctl
- c) Shutting down and restarting the system: Suspend, hibernate, poweroff and reboot

Practical Exercise 11

- a) Partition vs Installing filesystem vs mounting
- b) Disk device files. Disk device files and numbers. SATA (sata0, sata1..)
- c) Mountpoint
- d) Typical file systems and their identifiers
- e) SWAP

Practical Exercise 12

- a) LVM --> Documentació --> 1.1a, 1.1b and 1.1c

Practical Exercise 13

- a) Boot process (section 1)
- b) /etc/default/grub and main configuration variables
- c) /etc/grub.d
- d) update-grub
- e) /boot/grub/grub.cfg
- f) grub-install