

M01TU01: Final Exam (Theory) Help

Task A1

a) Read:

- Before starting
- What is a virtual machine?
- What are virtual machines used for?
- What is the VirtualBox Extension Pack?
- What are the VirtualBox GuestAdditions?

b) What is a software package, package manager, software repository?

c) Meaning of aptitude update

d) Meaning of aptitude upgrade

e) File sources.list

Task A2

Read:

a) The link in Linux directory tree structure. Important files and their paths

b) The table in Linux directory tree structure. Important files and their paths → You should know what are the most important directories and their purpose.

c) You should know the purpose of Linux basic commands.

Task A3

a) IP, Mask, Router, DNS, MAC

b) DHCP vs Static Configuration

c) /etc/resolv.conf

d) Network Manager

e) What is the purpose of ip, ifconfig, route and ping

f) Working with ping

Task A4

a) Size disk prefixes

b) What is a partition?

c) GPT and MBR partition tables

d) What is GParted?

e) Disk device files. Disk device files and numbers. SATA (sata0, sata1..)

f) fdisk vs mkfs vs mount

g) sudo

Task A5

a) Users and groups

b) /etc/passwd, /etc/shadow, /etc/group

c) Features of users and groups

d) Options of useradd and userdel

e) Enable/Disable account

Task A6

a) Read "Bootstrat or boot process. MBR. Boot Loader. GRUB"

b) Read "Configuring the GRUB menu"

c) What is /etc/default/grub?

d) Main parameters of /etc/default/grub

e) What is update-grub?

f) What is /etc/grub.d?

g) What is 30_os-prober?

h) Why does 30_os-prober need the execution permission?

Task A7

a) What is a tarball file?

b) What is a deb package?

c) What is the purpose of Makefile?

d) Principals options de Makefile

e) What is the purpose of command make?

f) What is the purpose of command checkinstall?

g) What is the purpose of commands dpkg -i and dpkg -r