The Hitchhiker's Guide To Computer Science

Sessie 2

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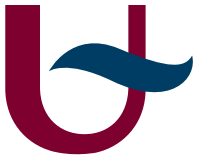


Universiteit Antwerpen

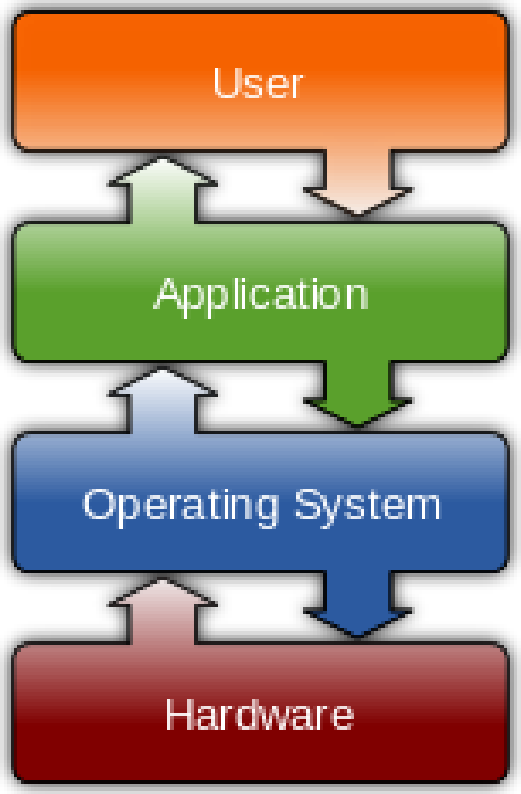
WINAK

Dinsdag 3 oktober 2017

Inhoudstafel

Intro

- Operating Systems:
  - Windows
  - macOS
  - Linux
- Computer Science UA: Linux
- Use Linux:
  - Virtual Machine
  - Boot
  - Dual Boot



Linux Distributions - Distros

- Linux = Free Open Source OS
- A lot of Forks $\rightarrow$ Linux Distribution
- Ubuntu 18 LTS

Ubuntu Ubuntu Gnome

Ubuntu

- Standard distribution (Unity)
- Installed on lab pc's

Virtual Machine

- Software to emulate a real machine
- Run OS within guest OS.

Pros and Cons

+ Easy	– Slow
+ Good to try out OS	– Not reliable

Tutorial

Virtual Box

Dual Boot

- Install OS alongside original OS.

Pros and Cons

+ Fast	– Hard to set up
+ Stable	– Can cause problems
+ Reliable	– Need reboot to switch

Tutorial

Disclaimer: We are not responsible for loss of data, broken laptops or hurt feelings. Dual boot is a dangerous activity, take precautions.

Dual Boot Warnings

- Do not dual boot macOS
- Backup all your data before starting
- Make sure your drive has enough space

Dual Boot - Step 1

Find distro:

- Ubuntu
- Ubuntu Flavours

Dual Boot - Step 2

Make bootable USB with ISO
Bootable USB Stick

Dual Boot - Step 3

Restart PC with USB plugged in.
You might need to press F2/F12/DEL to change some BIOS options (If anything goes wrong):

- Change boot order
- Disable secure boot
- Legacy boot?

Dual Boot - Step 4

Follow installation instructions

Dual Boot - Step 5

If anything goes wrong, Google it or ask us.

Dual Boot - Step 6

Check if GRUB works by rebooting. If not, use boot-repair Boot-Repair

Planning

25 Sep	WINAK - Cursusdienst - Lessenrooster - Email
02 Okt	Dual Boot - Virtual Box (practicum)

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16 Okt	Dot
25 Okt	Verbroederingsmoment
Proj. GAS	Git