



The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

# The Hitchhiker's Guide To Computer Science

## Sessie 2

Andrei Igor Joey Senne Toon Stijn



Universiteit Antwerpen



WINAK

Dinsdag 2 oktober 2018



# Inhoudstafel

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

Intro

Distros

Virtual Machine

Dual Boot

Planning



# Intro

The  
Hitchhiker's  
Guide To CS

Intro

Distros

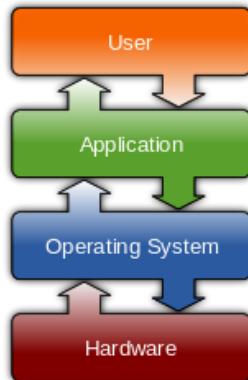
Virtual  
Machine

Dual Boot

Planning

3/15

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





# Linux Distributions - Distro

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

- ▶ Linux = Free Open Source OS
- ▶ A lot of Forks → Linux Distribution
- ▶ Ubuntu 18 LTS



# Ubuntu Ubuntu Gnome

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

## Ubuntu

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



# Virtual Machine

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

- ▶ 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

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

- ▶ 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

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

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





# Dual Boot - Step 1

The  
Hitchhiker's  
Guide To CS

Intro



Distros

Virtual  
Machine

Dual Boot

Planning

Find distro:

- ▶ [Ubuntu](#) 
- ▶ [Ubuntu Flavours](#) 



# Dual Boot - Step 2

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

Make bootable USB with ISO  
Bootable USB Stick 



# Dual Boot - Step 3

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

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

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

Follow installation instructions



# Dual Boot - Step 5

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

If anything goes wrong, Google it or ask us.



# Dual Boot - Step 6

The  
Hitchhiker's  
Guide To CS


Intro

Distros

Virtual  
Machine

Dual Boot

Planning

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



# Planning

The  
Hitchhiker's  
Guide To CS

Intro

Distros

Virtual  
Machine

Dual Boot

Planning

25 Sep      WINAK - Cursusdienst - Lessenrooster - Email

02 Okt      Dual Boot - Virtual Box (practicum)

---

16 Okt      Dot

25 Okt      Verbroederingsmoment

Proj. GAS    Git