



The
Hitchhiker's
Guide To CS

Intro

Distros

Virtual
Machine

Dual Boot

Planning

The Hitchhiker's Guide To Computer Science

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WINAK



Inhoudstafel

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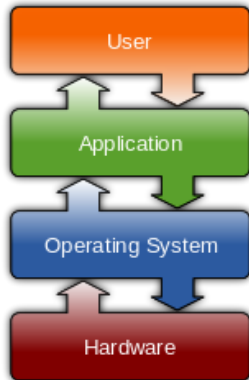
Virtual
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3/15

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





Linux Distributions - Distro

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



Ubuntu Ubuntu Gnome

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Ubuntu

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



Virtual Machine

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- ▶ 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

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- ▶ 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

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



Dual Boot - Step 1

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Find distro:

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



Dual Boot - Step 2

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Make bootable USB with ISO
Bootable USB Stick 



Dual Boot - Step 3

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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

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Follow installation instructions



Dual Boot - Step 5

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If anything goes wrong, Google it or ask us.



Dual Boot - Step 6

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



Planning

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25 Sep WINAK - Cursusdienst - Lessenrooster - Email

02 Okt Dual Boot - Virtual Box (practicum)

16 Okt Dot

25 Okt Verbroederingsmoment

Proj. GAS Git