

The Hitchhiker's Guide To CS

The Hitchhiker's Guide To Computer Science Sessie 3

Tim Leys Stijn Vissers



Universiteit Antwerpen



WINAK

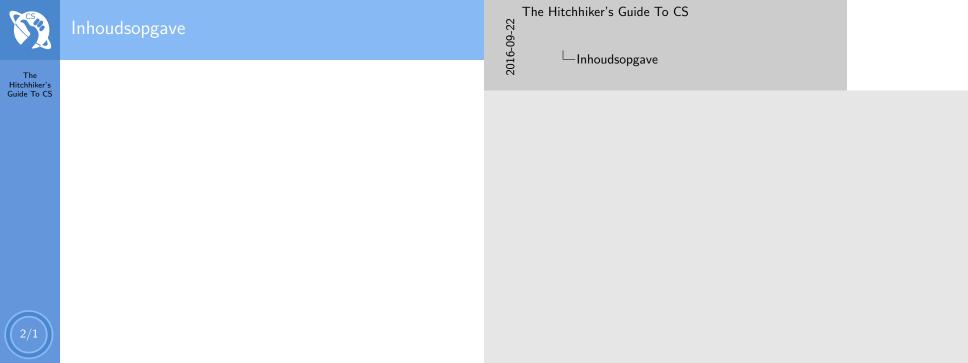
Dinsdag 11 oktober 2016











Terminal

 $\mathsf{CTRL} + \mathsf{ALT} + \mathsf{T}$

▶ Niet altijd desktop beschikbaar

Waarom?

- ► Automatiseren (scripts, makefiles, puppet)

└─Terminal └─Terminal

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CTRL + ALT + T Niet altijd desktop beschikbaar

Tutorial C





ls

touch

Commands - Files and Directories

man [command] Manual page (- - help)

cd Change Directory

List files

Remove file rm Move file

mv Copy file ср

Clears the screen clear

less, head, tail show some content of file

Concatenate (show content of file) cat Search grep

Make Directory mkdir Make file

-Commands -Commands - Files and Directories

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Make Directory

Change Directory List files Remove file Move file



Commands - Access, Jobs, Packages, Sudo

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> Change File Mode chmod List processes ps Real time view of processes top Run jobs in background or foreground &, bg, fg jobs Copy file kill, pkill Terminate process More user friendly than jobs screen Package manager apt-get sudo Root access

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-Commands - Access, Jobs, Packages, Sudo



k Nano

└─VIM & Nano └─VIM & Nano

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➤ Command-line text editors
➤ Alternative to SFTP with graphical text editor

- ► Command-line text editors
- ► Alternative to SFTP with graphical text editor

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— VIIVI & IVano

└─VIM & Nano └─VIM Modes

 Command mode Last line mode ► (Visual mode)

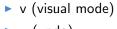
- ► Command mode
- ► Input mode
- ► Last line mode ► (Visual mode)

VIM Commands

- ▶ i (insert)

► d (cut) ▶ y (copy)

p (paste)



- ► u (undo)
- ctrl-r (redo)
- ▶ gg and G (go to begin/end of file)

└─VIM & Nano └─VIM Commands

Guide To CS

VIM Last Line Commands

└─VIM & Nano

└─VIM Last Line Commands

:w (write or save)

- :w (write or save)
- ► :q (quit)
- :open *file* (open a file)
- :*number* (go to line)
- ► :undo
- ► :redo



└─VIM & Nano └VIM Find And Replace

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s/foo/bar/g
 %s/foo/bar/g
 5,12s/foo/bar/g

- ▶ find with /*regex*
- replace with :s
 - :s/foo/bar/g
 - :%s/foo/bar/g
 - ► :5,12s/foo/bar/g

Nanc

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➤ Nano is another terminal based text editor

➤ It is closer to a normal text editor

- ► Nano is another terminal based text editor
- ▶ It is closer to a normal text editor

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L

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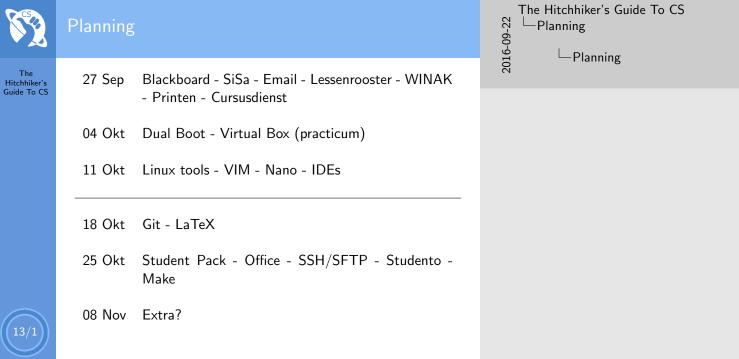
- ► Text editor for programmers
- Recommendations
 - Eclipse 🗗
 - ▶ JetBrains (Free for students) ♂

 - ► Atom (Modular text editor) 🗗

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► Text editor for programmers

JetBrains (Free for students) (5



25 Okt Student Pack - Office - SSH/SFTP - Studento 08 Nov Extra?

27 Sep Blackboard - SiSa - Email - Lessenrooster - WINAK