The Hitchhiker's Guide To Computer Science

Sessie 3

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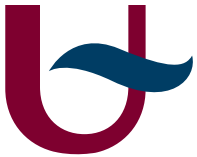

Universiteit Antwerpen

WINAK

Dinsdag 11 oktober 2016

Inhoudsopgave

Terminal

Tutorial

CTRL + ALT + T

Waarom?

- Automatiseren (scripts, makefiles, puppet)
- Niet altijd desktop beschikbaar

Commands - Files and Directories

man [command]	Manual page (- - help)
cd	Change Directory
ls	List files
rm	Remove file
mv	Move file
cp	Copy file
clear	Clears the screen
less, head, tail	show some content of file
cat	Concatenate (show content of file)
grep	Search
mkdir	Make Directory
touch	Make file

Commands - Access, Jobs, Packages, Sudo

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

VIM & Nano

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

VIM Modes

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

VIM Commands

- i (insert)
- d (cut)
- y (copy)
- p (paste)
- v (visual mode)
- u (undo)
- ctrl-r (redo)
- gg and G (go to begin/end of file)
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VIM Last Line Commands

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

VIM Find And Replace

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

Nano

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

IDE

Integrated Development Environment

- Text editor for programmers
- Recommendations
  - Eclipse
  - JetBrains (Free for students)
  - Atom (Modular text editor)

Planning

27 Sep	Blackboard - SiSa - Email - Lessenrooster - WINAK - Printen - Cursusdienst
04 Okt	Dual Boot - Virtual Box (practicum)
11 Okt	Linux tools - VIM - Nano - IDEs

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18 Okt	Git - LaTeX
25 Okt	Student Pack - Office - SSH/SFTP - Studento - Make
08 Nov	Extra?