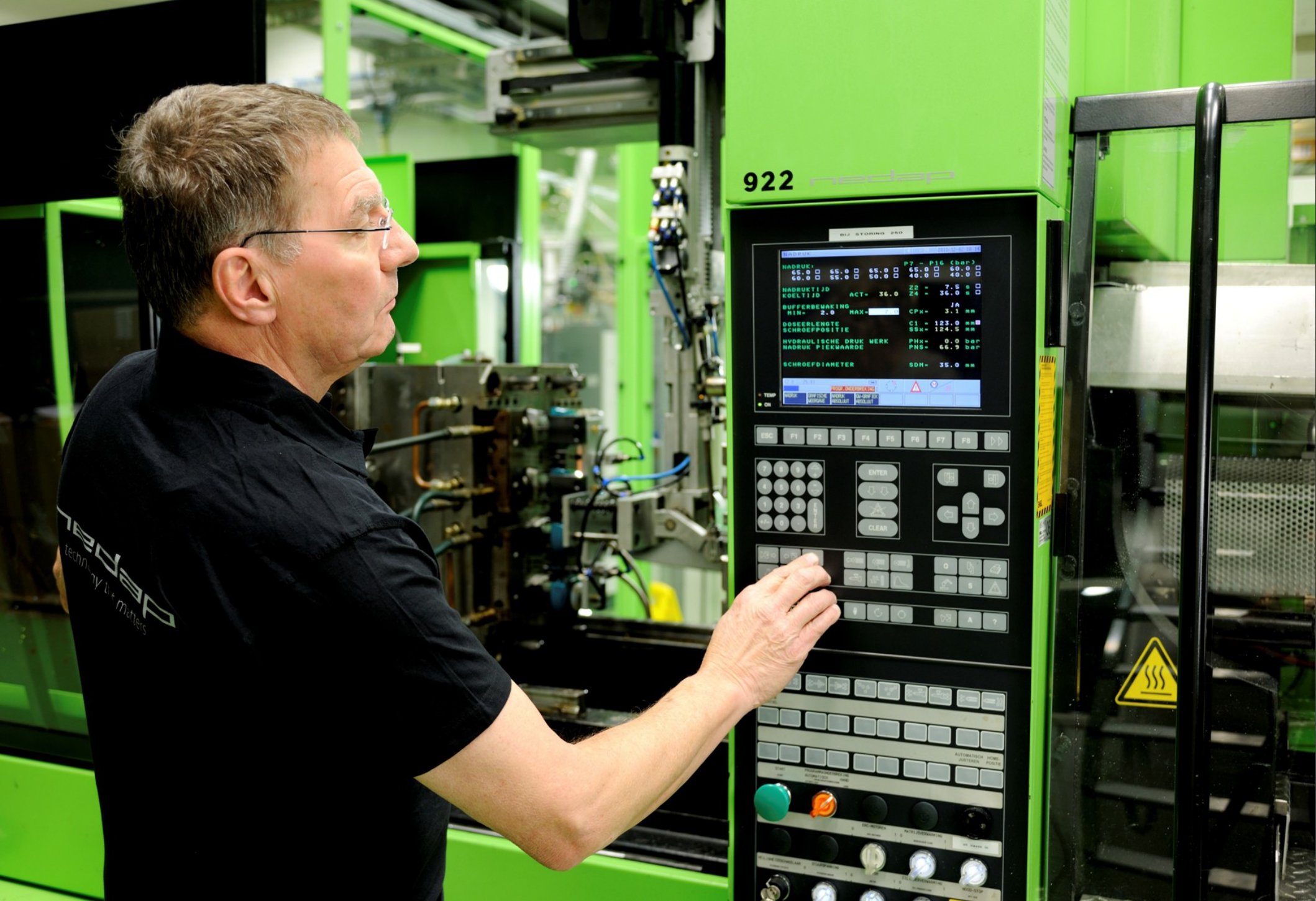


STEPPING STONE

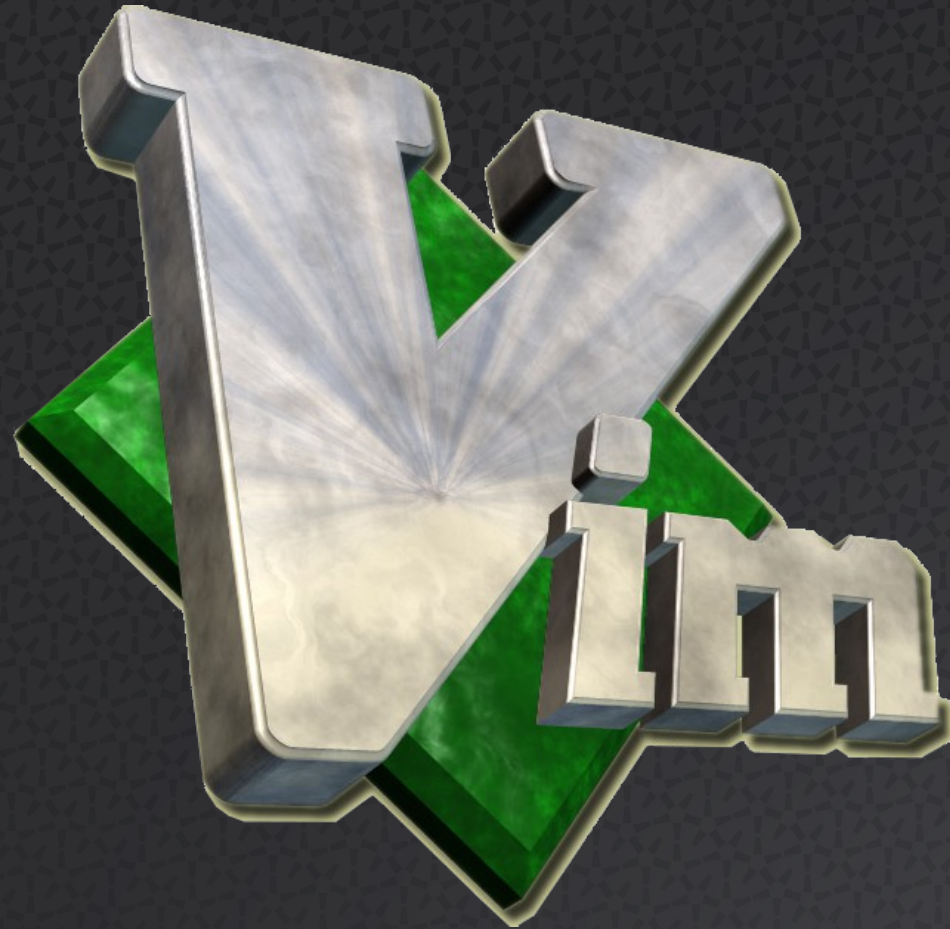












Example header
=====

This is header 2

Example header

=====

This is header 2

=====

Example header

=====

This is header 2

=====

This is a somewhat longer header

Today

- * Brief history of Vim
- * The git repo
- * Modes
- * Motions
- * Operators
- * Searching
- * Cut/copy/paste and visual mode
- * Operators and tekstobjects
- * Buffers and windows
- * Search/replace
- * Vim config file: ~/.vimrc
- * Plugins (if time left)

Vim History



Image credit: <http://www.catonmat.net/blog/why-vim-uses-hjkl-as-arrow-keys/>


```
git clone https://github.com/nedap/vim-workshop.git
```

```
Vim-workshop/  
|-files/ (oefenbestanden)  
|-presentation/  
|-vim-config/  
|-startvim
```


Don't panic

Esc	back to normal mode
:q!	quit discarding changes
:wq	write changes & quit (or ZZ, or :x)
:e <file>	edit file (:e! <enter> reload file)
:h	vim help



Vim Modes

Vim modes

- * Normal mode (esc)
 - move cursor/view
 - Text manipulation
- * Insert mode (i)
 - Input of text
- * Visual mode (v)
 - Text selection

Vim modes

- * Stay only in INSERT mode when actually entering text
- * Move Cursor in NORMAL mode
- * Text manipulations in NORMAL mode
- * Undo/redo of actions in NORMAL mode
- * Repeat last action in NORMAL mode
- * Text selection either in NORMAL or in VISUAL mode

Vim modes

- * NORMAL mode Esc
- * INSERT mode i insert
 I insert begin
 a append
 A append end
 o open line
 O open line above
- * VISUAL mode all move commands work

Undo / Redo

u Undo

ctrl+r Redo

Repeat actions



Motions

Motions

h

j

k

l



Exercise

Startup vim (./startvim)

- i f f b r <esc>
- a a <esc>
- a e <esc>
- 3 h
- i e <esc> . (*an actual dot*)
- A k <esc>
- I c o <esc>
- /a <enter>
- xp

reference

i insert

a append

h To left

A Append eol

. Repeat cmd

I Insert bol

/a Search "a"

xp Delete/paste

coffeebreak

Motions

<home> ^ begin of line

<end> \$ end of line

<ctrl>+<pgup> gg begin of file

<ctrl>+<pgdn> G end of file

Motions

<code><pgup></code>	<code><ctrl>+f</code>	Page forward
<code><pgdown></code>	<code><ctrl>+b</code>	Page backward
	<code>{ }</code>	Paragraph up/down
	<code>zz</code>	Center on cursor

Motions

w next **w**ord

e **e**nd of word

b **b**eginning of word

:22 goto line 22

Operators

- c Change (has to be followed by motion)
- C change line from cursor to end of line
- cc change entire line
- d Delete (has to be followed by motion)
- D delete from cursor to end of line
- dd delete entire line

Operator + Motion

operator + motion

c w change **w**ord

d b **d**elete to **b**egin of word

c ^ change to begin of line

d G **d**elete to end of file

Exercise

reference

Startup vim (./startvim)

- open files/1-lorem.txt
- go to 3rd paragraph
- change 4th word to “bla”
- change the following 4 words to c “blabla”
- delete the 6th line
- go to the end of the 7th word of 4 paragraphs down and change from there to the beginning of that line.

:e <file> Open <file>

{ / } Prev. / next paragraph

4cw Change 4 words
change

c^ Change to bol

dd Delete line

7} Move down 7 paragraphs

d G Delete from cursor to eof.

More motions

f {char} Find character

t {char} to/till character

operator + motion

c f {char} change till character (incl
that char)

d t {char} delete to character

v f {char} Select till character (incl
that char)

g U t {char} Uppercase to character

exercise

Open files/4-boilerplate.html

Line 16: select navigation/extensions and swap them

– line 18: deck.hashes.css should be deck.hash.css

– line 82: same as 18

– line 71: “Permalink” => uppercase

reference

c f
{char}

change till
character (incl
that char)

d t
{char}

delete to
character

v f
{char}

Select till
character (incl
that char)

g U t
{char}

Uppercase to
character

Searching

Searching

`/ {string}` Search string

`n` next occurrence

`shift+n` previous occurrence (backwards)
`(N)`

However...

c / {char} Won't work!

d / {char} Won't work!

v / {char} Select till character

exercise

Open files/4-boilerplate.html

Line 16: select
navigation/extensions and swap
them

– line 18: deck.hashes.css should
be deck.hash.css

– line 82: same as 18

– line 71: “Permalink” =>
uppercase

reference

/ {char}

Search {char}

n

Next occurrence

g U t
{char}

Uppercase to
character

Cut/Copy/Paste & visual mode

Yank (copy) / Paste

y w	yank w ord
y y	yank line
d w	d elete w ord
p	p aste after
shift+p (P)	p aste before

Visual mode

<code>v</code>	Visual mode
<code>shift+v</code> <code>(V)</code>	visual line mode
<code>ctrl+v</code>	visual block mode

Visual mode + operators

- c **c**hange selection
- d **d**elete selection
- y **y**ank (copy) selection
- r **r**eplace selection
- p **p**aste over selection
- : Modifier command
(e.g.: s/search/replace/)

Excercise

Open files/6-digits.txt

- Remove lines 1, 3 and last
- Make a csv file

reference

v	Visual mode
shift+v	Visual line mode
ctrl+v	Visual block mode
c	change selection
d	delete selection
y	yank (copy) selection
r	replace selection
p	paste over selection
:	Modifier command (e.g.: s/search/replace/)

Search/replace

`:s/before/after/`

Replaces the first occurrence of the word "before" with "after" on this line.

`:s/before/after/g`

Replaces each occurrence of the word "before" with after on this line or selection (global)

`:%s?/usr/lib?/usr/lib64?g` Entire file, ? is allowed as well as a delimiter

`:24,27:s<ctrl<shift<g`

On lines 24-27, < is also a valid delimiter

Excercise

Open files/6-digits.txt

- Remove lines 1, 3 and last
- Make a csv file using search/replace

reference

:s/search/replace/

:%s?search?replace/g

operator + text object

Text objects

i in/inner

a all/around

Text objects

“ ’ ` ([{ }])	delimiters
w	word
s	sentence
p	paragraph
t	Tag (bla)

Operator + Text objects

c i “ change inner string

d i t delete inner tag

y a p yank all paragraph

v a s visual select all sentence

c a w change all word

Buffers & Windows

.vimrc

`:so %`

Reload vimrc while editing

`:so $MYVIMRC`

General reload

`repo:/files/(g)vimrc-alex`

My vimrc... bit messy.
(g => gvimrc => if/else thing
works only half afaik)

buffers: bufexplorer

\ b	open buffer explorer
enter	switch to selected buffer
d	delete buffer (close file)

Windows

ctrl + w s

window **s**plit

ctrl + w v

window **v**ertical split

ctrl + w q

window **q**uit

ctrl + w h j k l

window **f**ocus

plugins

Pathogen
(github.com/tpope)
/bundle

Tool to make it easy to manage
plugins

Git clone > bundle

```
git submodule add ...  
git submodule init  
git submodule update
```

Easier to use git submodules.
Easier updates.

www.vim.org
(vim website, vim scripts)

vimcasts.org

Fun:
vimgolf.com
vim-adventures.com