

## 1 Launching ... and exiting

### 1.1 invocation

```
vim file1 file2 ... fileN
vim +linenumber file
vim scp://login@serveur/path/to/file
vim scp://login@serveur/path/
```

### 1.2 Exiting

```
:q          Quit
:wq         Save and quit
:q!        Quit without saving
```

## 2 Moving

```
h, j, k, l   Move cursor
← ↓ ↑ →      Move cursor
```

### 2.1 Inside the line

```
0          Jump to first char
$          Jump to last char
^          Jump to first word of the line
w          Next word
b          Previous word
f char     Jump to next occurrence of char
t char     Jump before next occurrence of char
F char     Jump to previous occurrence of char
T char     Jump after previous occurrence of char
;          Repeat last f/t command
,          Repeat last F/T command
```

### 2.2 Inside the file

```
gg         Jump to first line (start)
G          Jump to last line (start)
:n         Jump to line n
%          Jump to matching Paren, Brace, etc.
```

### 2.3 Inside the screen

```
zz         Center the current line
zb         Send current line to the bottom
zt         Send current line to the top
H          Jump to the top of the file
M          Jump to the middle of the file
L          Jump to the bottom of the file
CTRL + b   Scroll up
CTRL + u   Scroll up (half a page)
CTRL + d   Scroll down (half a page)
CTRL + f   Scroll down
```

## 3 Switch to insert mode

```
i          At cursor position
a          After cursor
A          At the end of the line
o          Open a new line (after)
O          Open a new line (before)
```

## 4 Switch to visual mode

```
v          Visual mode (char by char)
V          Visual mode (line by line)
CTRL+v     Visual mode (block)
```

## 5 Normal mode

```
u          Undo
CTRL+r     Redo
.          Repeat last edit
```

## 6 Without leaving Insert mode

```
CTRL+w     Erase previous word
CTRL+u     Erase until the beginning of the line
CTRL+o     Single command mode command
```

## 7 Open / Save

```
:e fichier Open a file in a buffer
:w          Save
:w fichier Save as
:browse old Recently opened file
```

## 8 Buffers

```
:ls        List all buffers
:b7         Switch to buffer 7
:bn         Next buffer
:bp         Previous buffer
```

## 9 Windows

```
CTRL+w v   Split vertically
CTRL+w s   Split horizontally
CTRL+w h, j, k, l Change window
CTRL+w SHIFT h, j, k, l Move window
CTRL+w c   Close window
```

Of course, you can substitute h,j,k,l by arrows

```
:sp file   Open file in a split window
```

## 10 Sessions

```
:mks fichier.vim Save the session
:source fichier.vim Restore the session
```

## 11 Search

```
/word      Find next occurrence of "word"
?word      Find last occurrence of "word"
n          Next
N          Previous
```

## 12 Macros

```
qa         Record macro a
q          Stop recording macro
@a         Run macro a
@@         Rerun last run macro
```

## 13 Copy / Paste

### 13.1 Copy current selection

```
y          (yank) Copy
d          (delete) Cut
```

### 13.2 Paste

```
p          (put) Paste (after)
P          (put) Paste (before)
```

## 13.3 Copy without selection selection

```
yy         Copy current line
dd         Cut current line
yny        Copy n lines
yw         Copy current word
y$         Copy from cursor to the end of the line
```

## 13.4 Using registers

```
"ay        Copy in register a
"Ay        Copy and add to a register
:reg       Display registers
```

The registers you can use are the following :

```
a..z       26 general-purpose registers
1..9       9 last uses of d
+          System copy-paste register (ctrl+c)
*          System copy-paste register (mouse)
%          Filename
```

## 14 Search & replace

```
:%s/expr1/expr2/g
```

```
expr1      Expression we're searching
expr2      Replacement expression
%          Search scope
g          Options
```

### 14.1 Scope :

```
n,m        From line n to m
.,+5       Current line and 5 following
%          In all file
```

### 14.2 Options :

```
g          Continue after first match
c          Ask before replacing
i          Ignore case
```

## 14.3 Replace with foobar (y/n/a/q/l/^E/^Y)?

```
y          Yes
n          No
a          Replace all remaining matches
q          Quit substitution
l          Last one!
CTRL + e   Scroll down
CTRL + y   Scroll up
```

## 15 Marking lines

```
m a        Mark line in register a
' a        Return to mark a
```

## 16 Shell Commands

```
:r file    Insert the content of <file>
:! cmd     Execute the command cmd in a shell
:r! cmd     Execute the command cmd and insert the result
:term      Open a terminal window
```

## 17 Tabs

:tabnew	Open a new tab
gt	Move to next tab
gT	Move to previous tab
:tab ba	Edit all buffers as tabs

## 18 Spell checking

:spell lang=fr	Start spell checking
:setlocal spell lang=fr	Correction in current buffer
:set nospell	Stop spell checking
]s	Next erroneous word
[s	Previous erroneous word
z=	Suggest a correction
zg	Add to dictionary
zw	Mark word as incorrect

## 19 Coders' corner

### 19.1 Increase / Decrease

CTRL+a	Adds 1 to a number
CTRL+x	Subtracts 1 to a number

### 19.2 Indentation

=	Auto. indent selection
==	Auto. indent line
>	Increase indentation
<	Reduce indentation
>>	Increase indentation of the current line
<<	Reduce indentation of the current line
n >>	Increase by 1 indentation of n lines

### 19.3 Compilation

:make	Launch make in the current folder
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## 20 File management (netrw)

:Explore	Open file manager
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### 20.1 Operations

D	Delete file/directory
d	Create new folder
%	Open a new file

### 20.2 Marked / unmark

mf	Mark a file
mu	Unmark all files
mp	Display marked files
mt	Tag current folder

### 20.3 Operations on tagged files

me	Edit
md	Diff
mc	Copy in tagged folder
mm	Move to tagged folder

## 21 More on windows

### 21.1 Scroll simultaneously

:set scrollbind	Have windows scroll together
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### 21.2 Resizing windows

CTRL-w -	Decrease the height
CTRL-w +	Increase the height
CTRL-w <	Decrease the width
CTRL-w >	Increase the width
CTRL-w =	Make all splits equal

## 22 Do you speak vim?

### 22.1 Format

<Number of times> + <Command> + <Motion> or <Text object>

### 22.2 Commands

c	Change
d	Delete
y	Yank

### 22.3 Motion

)	Move cursor to end of sentence
(	Move cursor to beginning of prior sentence
}	Move cursor to the next paragraph
{	Move cursor to the beginning of the prior paragraph
w	Move cursor to next word
b	Move cursor back a word
\$	Move cursor to the end of the logical line
0	Move cursor to the beginning of the logical line
G	Move cursor to the end of the file
gg	Move cursor to the beginning of the file

### 22.4 Text Objects

s	Sentence
w	Word
p	Paragraph
a"	Quoted string
a'	Quoted string (Single quote)

### 22.5 More precise Text Objects

w	From cursor to the end of the word
iw	Inner word (Full word)
aw	A word (A word, including trailing whitespaces)

## 23 Digraphs

CTRL-k code	Insert digraph
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