

Vim Cheatsheet

sebastien.druon@umontpellier.fr

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
:qa         Close all files
: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)
nnn gg      Jump to line nnn
%           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 H,J,K,L Move window
CTRL+w R,r   Rotate windows
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

| | |
|----------------------|--------------------------|
| <code>:tabnew</code> | Open a new tab |
| <code>gt</code> | Move to next tab |
| <code>gT</code> | Move to previous tab |
| <code>:tab ba</code> | Edit all buffers as tabs |

18 Spell checking

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

19 Coders' corner

19.1 Increase / Decrease

| | |
|---------------------|-------------------------|
| <code>CTRL+a</code> | Adds 1 to a number |
| <code>CTRL+x</code> | Subtracts 1 to a number |

19.2 Indentation

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

19.3 Compilation

| | |
|--------------------|-----------------------------------|
| <code>:make</code> | Launch make in the current folder |
|--------------------|-----------------------------------|

20 File management (netrw)

| | |
|-----------------------|-------------------|
| <code>:Explore</code> | Open file manager |
|-----------------------|-------------------|

20.1 Operations

| | |
|----------------|-----------------------|
| <code>D</code> | Delete file/directory |
| <code>d</code> | Create new folder |
| <code>%</code> | Open a new file |

20.2 Marked / unmark

| | |
|-----------------|----------------------|
| <code>mf</code> | Mark a file |
| <code>mu</code> | Unmark all files |
| <code>mp</code> | Display marked files |
| <code>mt</code> | Tag current folder |

20.3 Operations on tagged files

| | |
|-----------------|-----------------------|
| <code>me</code> | Edit |
| <code>md</code> | Diff |
| <code>mc</code> | Copy in tagged folder |
| <code>mm</code> | Move to tagged folder |

21 More on windows

21.1 Scroll simultaneously

| | |
|------------------------------|------------------------------|
| <code>:set scrollbind</code> | Have windows scroll together |
|------------------------------|------------------------------|

21.2 Resizing windows

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

22 Do you speak vim?

22.1 Format

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

22.2 Commands

| | |
|----------------|--------|
| <code>c</code> | Change |
| <code>d</code> | Delete |
| <code>y</code> | Yank |

22.3 Motion

| | |
|-----------------|---|
| <code>)</code> | Move cursor to end of sentence |
| <code>(</code> | Move cursor to beginning of prior sentence |
| <code>}</code> | Move cursor to the next paragraph |
| <code>{</code> | Move cursor to the beginning of the prior paragraph |
| <code>w</code> | Move cursor to next word |
| <code>b</code> | Move cursor back a word |
| <code>\$</code> | Move cursor to the end of the logical line |
| <code>O</code> | Move cursor to the beginning of the logical line |
| <code>G</code> | Move cursor to the end of the file |
| <code>gg</code> | Move cursor to the beginning of the file |

22.4 Text Objects

| | |
|-----------------|------------------------------|
| <code>s</code> | Sentence |
| <code>w</code> | Word |
| <code>p</code> | Paragraph |
| <code>a"</code> | Quoted string |
| <code>a'</code> | Quoted string (Single quote) |

22.5 More precise Text Objects

| | |
|-----------------|--|
| <code>w</code> | From cursor to the end of the word |
| <code>iw</code> | Inner word (Full word) |
| <code>aw</code> | Around word (including trailing whitespaces) |

23 Digraphs

| | |
|--------------------------|----------------|
| <code>CTRL-k code</code> | Insert digraph |
|--------------------------|----------------|

24 Moves illustrated

