

# vim

linux

/vía: <https://www.catswhocode.com/blog/vim-cheat-sheet-for-2016>

/vía: <http://www.catswhocode.com/blog/130-essential-vim-commands>

## info

- [.vimrc](#)

## Plugins/extensiones/personalización

### Pendiente: modificación status line

<https://kadekillary.work/post/statusline/>

- gestión/instalación plugins en sus propios directorios (runtimepath):  
<https://github.com/tpope/vim-pathogen>
  - crear dos directorios: `~/ .vim/autoload` (ubicación `vim-pathogen.vim`) y `~/ .vim/bundle` (`home_directory` de los plugins)
  - modificar `.vimrc` añadiendo `execute pathogen#infect()`
- `statline.vim` (requiere `pathogen.vim`):

```
cd ~/ .vim/bundle
git clone https://github.com/millermedeiros/vim-statline.git
```

## config

```
# cambiar editor por defecto
$ sudo update-alternatives --config editor
```

## Basics

- `:e filename` : Open filename for edition
- `:w` : Save file
- `:q` : Exit Vim
- `:q!` : Quit without saving
- `:x` : Write file (if changes has been made) and exit
- `:sav filename` : Saves file as filename
- `.` : Repeats the last change made in normal mode
- `5.` : Repeats 5 times the last change made in normal mode

## Moving in the file

- `0` : move the cursor to the beginning of the line
- `G o $` : move the cursor to the end of the file
- `gg` : move the cursor to the beginning of the file
- `:59` : move cursor to line 59. Replace 59 by the desired line number.
  
- `k` or Up Arrow : move the cursor up one line
- `j` or Down Arrow : move the cursor down one line
- `e` : move the cursor to the end of the word
- `b` : move the cursor to the beginning of the word
- `L` : move the cursor to the bottom of the screen
- `20|` : move cursor to column 20.
- `%` : Move cursor to matching parenthesis
- `[[` : Jump to function start
- `[{` : Jump to block start

## Cut, copy & paste

- `y` : Copy the selected text to clipboard
- `p` : Paste clipboard contents
- `dd` : Cut current line
- `yy` : Copy current line
- `y$` : Copy to end of line
- `D` : Cut to end of line

## Search

- `/word` : Search word from top to bottom
- `?word` : Search word from bottom to top
- `*` : Search the word under cursor
- `/\cstring` : Search STRING or string, case insensitive
- `/jo[ha]n` : Search john or joan
- `/\< the` : Search the, theatre or then
- `/the\>` : Search the or breathe
- `/\< the\>` : Search the
- `/\< |.\>` : Search all words of 4 letters
- `/\|` : Search fred but not alfred or frederick
- `/fred\|joe` : Search fred or joe
- `/\<d\d\d\d\>` : Search exactly 4 digits
- `/^\n\{3}` : Find 3 empty lines
- `:bufdo /searchstr/` : Search in all open files
- `bufdo %s/something/somethingelse/g` : Search something in all the open buffers and replace it with somethingelse

## Replace

- comando:

```
: [rango]s[substitute]/[pattern]/[string]/[flags] [count]
```

- Rango:
  - % : de la primera a la última línea
  - 1,3 : de la línea 1 a 3
  - 3,\$ : de la línea 3 al final de fichero
- Flags:
  - g : global (en el ámbito, todas las sustituciones posibles)
  - i : case insensitive
  - c : confirmación
- Pattern:
  - string : busca la cadena
  - ^ : principio de línea
  - \$ : final de línea
- Ejemplos:
  - :s/Bill/Steve/ : Replace the first occurrence of Bill by Steve in current line
  - :s/Bill/Steve/g : Replace Bill by Steve in current line
  - :2,35s/old/new/g : Replace all occurrences between lines 2 and 35
  - :5,\$s/old/new/g : Replace all occurrences from line 5 to EOF
  - :%s/old/new/g : Replace all occurrences of old by new in file
  - :%s/onward/forward/gi : Replace onward by forward, case insensitive
  - :%s/old/new/gc : Replace all occurrences with confirmation
  - :%s/^/hello/g : Replace the beginning of each line by hello
  - :%s/\$/Harry/g : Replace the end of each line by Harry
  - :%s/onward/forward/gi : Replace onward by forward, case insensitive
  - :%s/ \*\$/ /g : Delete all white spaces
  - :%s/Bill/Steve/g : Replace Bill by Steve in all the file
  - :%s/^M/ /g : Delete DOS carriage returns (^M)
  - :%s#\s#\r#g : cambia espacios (\s) por saltos de línea (\r) en todo el texto. Usamos # como separador
  - :%s/\r/\r/g : Transform DOS carriage returns in returns
  - :%s#<[^>]\+>##g : Delete HTML tags but keeps text
  - :%s/^(.\*)\n\1\$/\1/ : Delete lines which appears twice
  - :g/string/d : Delete all lines containing string
  - :v/string/d : Delete all lines containing which didn't contain string
- Ctrl+a : Increment number under the cursor
- Ctrl+x : Decrement number under cursor
- ggVGg? : Change text to Rot13

## Case

- Vu : Lowercase line
- VU : Uppercase line
- g~~ : Invert case
- vEU : Switch word to uppercase
- vE~ : Modify word case
- gguG : Set all text to lowercase
- gguG : Set all text to uppercase
- :%s/\<.\u&/g : Sets first letter of each word to uppercase
- :%s/\<.\l&/g : Sets first letter of each word to lowercase
- :%s/.\*\u& : Sets first letter of each line to uppercase
- :%s/.\*\l& : Sets first letter of each line to lowercase

## Read/Write files

- `:1,10 w outfile` : Saves lines 1 to 10 in outfile
- `:1,10 w >> outfile` : Appends lines 1 to 10 to outfile
- `:r infile` : Insert the content of infile
- `:23r infile` : Insert the content of infile under line 23

## File explorer

- `:e .` : Open integrated file explorer
- `:Sex` : Split window and open integrated file explorer
- `:Sex!` : Same as
- `:Sex` but split window vertically
- `:browse e` : Graphical file explorer
- `:ls` : List buffers
- `:cd ..` : Move to parent directory
- `:args` : List files
- `:args *.php` : Open file list
- `:grep expression *.php` : Returns a list of .php files contening expression
- `gf` : Open file name under cursor

## Interact with Unix

- `!:pwd` : Execute the pwd unix command, then returns to Vi
- `!!pwd` : Execute the pwd unix command and insert output in file
- `:sh` : Temporary returns to Unix
- `$exit` : Returns to Vi

## Alignment

- `:%!fmt` : Align all lines
- `!}fmt` : Align all lines at the current position
- `5!!fmt` : Align the next 5 lines

## Tabs/Windows

### cli

- `vim -p <archivo1> <archivo2>`

### manejo

- `:tabnew` : Creates a new tab
- `:tabe[dit] <file>` : abre <file> en nuevo tab
- `:tabf[ind] <file>`: abre <file> en nuevo tab buscando por el path
  - `:set path=.,*,**` : busca en la ubicación del archivo, en el directorio actual y en los subdirectorios
- `:tabclose`

- `:tabonly` : cierra todos los tabs menos el actual
- `:tab split` : duplica el tab actual
  
- `:tabdo %s/foo/bar/g` : Execute a command in all tabs
- `:tab ball` : Puts all open files in tabs
- `:new abc.txt` : Edit abc.txt in new window
- `:qa` o `wqa` : salir de todas las pestañas

## movimiento

- `gt` : Show next tab
  - `:tabn`
  - `^PgUp`
- `gT` : Show previous tab
  - `:tabp` : Show previous tab
  - `^PgDw`
- `:tabs` : muestra todos los tabs
- `:tabfirst` : Show first tab
- `:tablast` : Show last tab
  
- `:tabm n` : reorganizar tabs
  - `0` : mover actual a la primera posición
  - `:` : mover actual a la última posición
  - `n` : mover actual a la posición **n**

/via: [http://vim.wikia.com/wiki/Using\\_tab\\_pages](http://vim.wikia.com/wiki/Using_tab_pages)

## Window splitting

- `:e filename` : Edit filename in current window
- `:split filename` : Split the window and open filename
- `ctrl-w up arrow` : Puts cursor in top window
- `ctrl-w ctrl-w` : Puts cursor in next window
- `ctrl-w_` : Maximize current window vertically
- `ctrl-w|` : Maximize current window horizontally
- `ctrl-w=` : Gives the same size to all windows
- `10 ctrl-w+` : Add 10 lines to current window
- `:vsplit file` : Split window vertically
- `:sview file` : Same as `:split` in readonly mode
- `:hide` : Close current window
- `:nly` : Close all windows, excepted current
- `:b 2` : Open #2 in this window

## Auto-completion

- `Ctrl+n Ctrl+p` (in insert mode) : Complete word
- `Ctrl+x Ctrl+l` : Complete line
- `:set dictionary=dict` : Define dict as a dictionary
- `Ctrl+x Ctrl+k` : Complete with dictionary

## Marks

- `m {a-z}` : Marks current position as {a-z}
- `' {a-z}` : Move to position {a-z}
- `' '` : Move to previous position

## Abbreviations

- `:ab mail mail@provider.org` : Define mail as abbreviation of mail@provider.org

## Text indent

- `ctrl-t`, `ctrl-d` : Indent/un-indent in insert mode
- `>>` : Indent
- `<<` : Un-indent
- `=%` : Indent the code between parenthesis
- `1GVG=` : Indent the whole file

## cifrado

- `:X` : pregunta por contraseña para cifrar el fichero a la hora de guardar
- `:setlocal cm?` : show encryption method for the current file (cm abreviación de cryptmethod)
- `:setlocal cm=zip` : weak (default for backwards-compatibility)
- `:setlocal cm=blowfish` : better
- `:setlocal cm=blowfish2` : best (requires Vim version 7.4.399 or higher)

## Modelines

[pendiente](#), [wiki](#)

**mirar e integrar**

[http://vim.wikia.com/wiki/Modeline\\_magic](http://vim.wikia.com/wiki/Modeline_magic)

permite modificar el comportamiento del editor (emacs o vim - u otros?) con líneas con estructura

### activar

por defecto (y razones de seguridad) viene desactivado. Se han de cumplir estas condiciones:

- `set modeline` está activo (y no `set nomodeline`)
- `modelines`  $\neq$  0
- no eres root

`:verbose set modeline? modelines?:` mirar si está activo

```
:e $MYVIMRC
```

```
set modeline
set modeline=5
```

## SETs

### búsquedas

- set (no)ignorecase [ic]
- set (no)hlsearch [hls] : marca la búsqueda
- set (no)incsearch [is]
- set (no)showmatch [sm]
- set (no)ignorecase [ic]
- set (no)incsearch [is]

### indentación

- :set (no)autoindent [ai] : Turn on auto-indent
- :set smartindent [si] : Turn on intelligent auto-indent
- :set shiftwidth=4 : Defines 4 spaces as indent size

### Syntax highlighting

- :syntax on : Turn on syntax highlighting
- :syntax off : Turn off syntax highlighting
- :set syntax=perl : Force syntax highlighting

### ayudas

- set (no)cursorline [cul]: línea del cursor «subrayada»
  - modificar estilos (ojo, también incluye para columna):

[http://vim.wikia.com/wiki/Highlight\\_current\\_line](http://vim.wikia.com/wiki/Highlight_current_line)

```
" \c para activar/desactivar
:hi CursorLine  cterm=NONE ctermbg=darkred ctermfg=white
guibg=darkred guifg=white
:hi CursorColumn cterm=NONE ctermbg=darkred ctermfg=white
guibg=darkred guifg=white
:noremap <Leader>c :set cursorline! cursorcolumn!<CR>
```

- set (no)number [nu]: numeración de líneas
- set (no)ruler [ru]: muestra información de posición del cursor y % de la página
- set (no)invlst : muestra caracteres especiales
- set (no)paste : evita autoindentación de código «pegado»
  - set pastetoggle=<F2>
  - <code vim .vimrc>noremap <F2> :set invpaste paste?<CR>
- set (no)list : visualiza caracteres «ocultos» según establecido
  - : set listchars=space:·,eol:\$,tab:>-,trail:~,extends:~,precedes:< [lcs]
  - : help listchars [lcs]

```
set pastetoggle=<F2> set showmode</code>
```

## otros

- `:set smartcase` Ignore case in searches excepted if an uppercase letter is used
- `:set key=<password>` : otra manera de establecer contraseña (se ve la pass, se puede poner en fichero `.vimrc`)

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