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
- 1 al día por mlechon

Plugins/extensiones/personalización

> **Pendiente: modificación status line**
> https://kadekillary.work/post/statusline/

> **Pendiente: modificación status line**
> https://gist.github.com/millermedeiros/1262085

- 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()`
- stateline.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

- **[N] acción moción**
- acciones:
  - d - delete
  - c - caracter sustitución
  - >,< - indentación, desindentación

    - gU,u - uppercase
    - y - copiar
- moción
    - w - palabra
    - e - final de palabra
    - b - palabra anterior
    - ^ - principio de línea
    - $ - final de linea
    - gg - principio documento
    - G - final de documento
    - iw - inside word
    - aw - arorund word
- . - repite última edición

more 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 begining of the line
- `G` o `$` : move the cursor to the end of the file
- `gg` : move the cursor to the begining 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 begining 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[ubstitute]/{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 occurence 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 occurences between lines 2 and 35
  - `:5,$s/old/new/g` : Replace all occurences from line 5 to EOF
  - `:%s/old/new/g` : Replace all occurences of old by new in file
  - `:%s/onward/forward/gi` : Replace onward by forward, case unsensitive
  - `:%s/old/new/gc` : Replace all occurences with confirmation
  - `:%s/^/hello/g` : Replace the begining of each line by hello
  - `:%s/$/Harry/g` : Replace the end of each line by Harry
  - `:%s/onward/forward/gi` : Replace onward by forward, case unsensitive
  - `:%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$/\1/` : Delete lines which appears twice
    - `:g/string/d` : Delete all lines containing string
        - `g/^$/d` : borra líneas en blanco → `v/./d`
        - `g/^\s*$/d` : borra líneas en blanco o con espacios/tabuladores
        - más ejemplos: https://vim.fandom.com/wiki/Power_of_g
    - `: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
- `ggguG` : Set all text to lowercase
- `gggUG` : 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 subidrectorios
- `: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 previus tab
  - `:tabp` : Show previus 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

Window spliting

- `: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 dictionnary
- `Ctrl+x Ctrl+k` : Complete with dictionnary

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

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 ≠ 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

```
" \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
:nnoremap <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)invlist` : muestra caracteres especiales
- `set (no)paste` : evita autoindentación de código «pegado»
  - `set pastetoggle=<F2>`
  - <code vim .vimrc>nnoremap <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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Last update: **07/11/2020 23:25**