

# Vim Cheat Sheet for Programmers

HOW-TO make Vim not suck Out of the Box: :help statusline :set nocompatible ruler laststatus=2 showcmd showmode number Search :set incsearch ignorecase smartcase hlsearch Remove useless splash screen :set shortmess+=!

Best tips: http://vim.wikia.com/ Best scripts: http://www.vim.org/scripts/index.php :map <F9> :e \$HOME/\_vimrc<CR> :map <F6> :so \$HOME/\_vimrc<CR>

Grid of Vim commands categorized by key type: Ctrl-, Ctrl+, Tab, Gaps, Ctrl ^, Shift ↑. Includes commands like toggle case, extern filter, play macro, prev identifier, goto mark, redo, ctags return, scroll line, half page, prev mark, Normal, ctags identifier, ex mode, WORD, end WORD, Replace, ← until char, Y copy line, U undo line, I insert, O open ↑, P paste ↑, { paragraph, } paragraph, record macro, word, end word, replace char, t until char →, y copy, u undo, i insert, o open ↓, p paste ↓, misc., misc.

Legend: 16 The search direction is relative; next is the initial direction, previous is the opposite direction. ~ repeat same initial direction find. N, repeat opposite initial direction find. Note: ;, only searches cursor line, n N searches buffer.

Legend section containing: Macro (Register name), Op (Motion req.), Cmd (Command), Ins (Command and enter insert mode), Move (Moves cursor), Find (Search), tag (ctags / diffs / folding), Code (Code formatting), Extra (Extended functionality), Modes (Normal, Insert, Visual, Op pending, Command Line), word (Foo (src, dst, len);), WORD (Foo (src, dst, len);), Startup (vim <filename> +123 goto line 123), Broken Keys (Vim is still unable to map certain keys).

Help sections: :help cmdline (w save, q quit, e <file>, source, exec cmds in cur file, do cmd), :help movement (soft ^ ← Start of Line, hard 0 ← Start of Line), :help diff ([c prev diff, [c next diff, :diffupdate, resync), :help folding (zR fold remove, zo fold open, zc fold close, zi invert all, zr fold reduce, zm fold more), :help range (:s/Foo/Bar find Foo replace w/ Bar, :s/Foo/Bar/g ...all instances on line, :%s/Foo/Bar apply to whole file, :g goto line #, G end of file, [[ begin this func, ]] begin next func, :set matchpairs=(:),{:,],<>,?:\, % goto matching {} <> []).

Help sections: :help tags (ts list active tags, ^] jump to tag under cursor, ^t restore cursor before tag jump, ^p complete word, :ta Foo manual jump to tag 'Foo'), :help diff ([c prev diff, [c next diff, :diffupdate, resync), :help changes (zR fold remove, zo fold open, zc fold close, zi invert all, zr fold reduce, zm fold more), :help syntax (:syntax enable, :set filetype=, c cpp sh make perl python, Note: choose only ONE type!, convert <eol>, :set fileformat=, unix or dos or mac, then :w to convert), :help recording (q\* start recording, @\* playback, q stop recording, @@ repeat), :help recording (q\* start recording, @\* playback, q stop recording, @@ repeat).

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Help sections: :buffer # (:buffers list, :new blank file/buffer, :bn next file, :bp prev file, :bd close file, :bd! force close, :set lines=#, :set columns=#, :winpos ## GUI), Windows (:help windows, ^w\* or :wincmd \*), Cursor Bookmarks (:marks, ma mark local 'a', 'A goto global 'A', '' prev location), File / Directory (:set numbers!, :set wrap!, :set showmatch, noremap - :s/\|\\|/|<CR>, :set expandtab!, :set listchars=, :set list!, :set colorcolumn=80, noremap + :s/\|\\|/|<CR>).

0 See: src/ops.c -c "/valid\_yank\_reg" for " reg. names 6 See: src/normal.c -c "/nv\_cmds" for g\* extra cmds 11 See: src/edit.c -c "/ctrl\_x\_msgs" for \*x\* insert cmds