

Vim condensed Quick Reference

Navigation

←,→, middle of line, N th column h 1 gm |
◀◀,▶▶ ($N-1$ lines ↓) 0 ^ \$
the same for screen line g0 ^ g\$
to, till the char $c \rightarrow \leftarrow$ fc tc Fc Tc
repeat last fFtT, in opposite direction ; ,
↑↓, for screen lines k j gk gj
 N lines ↑↓ to ①, $N-1$ lines ↓ - +
goto line N with default: ▼, ▲, $N\%$ G gg %
matching paren, brace...; goto N th byte % gO=;RgoN
 N th window line from ↑↓, middle line H L M
jump list, N th older/newer pos :ju_{mps} ^O ^I
while entering count: delete last char del

Text object motions

word →,← / WORD w b W B
¶ of word →,← / WORD e ge E gE
sentence →,← / paragraph) (} {
section →,← at ¶/¶]] [[][[]
(, {, }, }, /*, */ [([{]}]*
←,→ Java method ¶/¶ [m]m [M]M
←,→ unclosed #if, #else, #endif [#]#

Text object selection

text Object, inner Object aO iO
O: word, WORD, sentence, paragraph w W s p
XML tags; enclosed in t (≡) [≡] {≡} <≡> " ' ,

Marks

mark current position, lsit marks ...mc :marks [marks]
goto local, global / ① 'c 'C 'c 'C
before jump; last exit, edit, change .. '' 'n '' ' .
¶/¶ of operated text / V '[']' '<' '>
☞¶, ☞☞ local mark / ① [' ']' [' ']'
delete, delete local :del_{marks} marks :del_{marks} !

Ex mode

switch to Ex mode, with cmd-line editing Q gQ
start entering Ex cmd with N lines : N
exec normal mode commands :norm^{all}
leave mode :vi^{sual} [[+opt][+cmd][f]
read Ex from file, normal cmds :so_{urce} file :so!
idem, search in runtimepath (!≡all matching) :.ru_{nime} f

Ex Ranges

line nr separator, absolute nr; +- line nr .., N +[n] -[n]
set cursor to 1st line before interpreting 2nd
; last line, current; all lines \$ %≡1,\$
visual area, pos of mark t *≡'</'> 't
☞☞, ☞☞ matching line /pattern[/] ?pattern[?]

Information

redraw screen, show filename and pos ^L ^G
show pos info, ascii, utf-8 g^G ga g8
version info :ve_{rsion}
show help, search help :he_{lp} [sub_j] :help_{g_{rep}} patt
lookup keyword with keywordprg K
generate help tags file for directory :hel_{pt}_{ags} dir

Files and OS

format for edit, new, view... :cmd [[+opt] [+cmd] [file]
reload, edit f , edit new :e_{dit} :e_{dit} f :ene_w
++ options ff≡fileformat enc bin nobin
open readonly, find in path :vie_w f ? fin_d f
edit N th alternate, goto file under cursor ^^ gf
cd, for curr window :cd path :lcd path
cd to ☞¶, curr file dir, print curr :cd - :cd %h :pwd
print, set curr filename, save as .. :file :file f :sav_{as} f
show alternate filenames, recover ... :files :rec_{over} f
edit f making current hidden :hid_e e_{dit} f
write, to cmd's stdin .. :Rw_{rite} [>>] [file] :Rw_{rite} !cmd
write all, write if modified .. :wa_{it} :Rup_{date} [>>] [file]
quit :q_{uit} :qa_{it} :wq_{it} [file] :q!=zO
write if modifed & quit :x_{it} [file]=zz :xa_{it}
read file contents, cmd's stdout :r [[+opt] file :r! cmd
start shell, exec cmd, suspend :sh_{ell} !cmd :st_{op}=^Z
filter lines along μ through external cmd (+ V) !cmd_μ
filter N lines, range through cmd !!cmd_μ :R! cmd_μ
filter through equalprg+ V , N lines =μ ==

Settings

read/write viminfo :rv_{iminfo} [f] :wv_{iminfo} [f]
save maps and options; window :mkv_{imrc} [f] :mkvie_w [f]
save session; load window ... :mks_{ession} [f] :lo_{adview} [f]

Arguments

print, set arglist :ar_{gs} :ar_{gs} [files]
edt N th file, open all ? argu_{ment} N :all
write & edit ☞☞, ☞¶ :wn_{ext} [f] :wn_{ext}
move to ? n_{ext} ? N_{ext} ? fir_{st} ? la_{st}
set new arglist & edit 1st file ? n_{ext} files
exec cmd for each file :argdo₁ cmd

Buffers

show all, including unlisted :ls :ls!
edit all N buffers; all loaded ? ba_{ll} ? unh_{ide}
add, del (N th) :ba_d f_{name} :ba_d !
unload, total delete :bu_{nload} :bw_{ipeout}
go to buffer by N /file, N th modified ? b_{uffer} ? bm_{odified}
 N th ☞☞, ☞¶; ? bn_{ext} :bn_{ext} ? bf_{irst} ? bl_{ast}
exec cmd in each buffer :bufdo₁ cmd

Tabs

new page file :ta_{be}_{dit}=:tabnew[[+opt][+cmd][file]
find file and open new page : :ta_{bfind}[[+opt][+cmd][file]
exec cmd opening tab # N instead of window : N tab cmd
open file under cursor in a new page ^Wgf
close; all other :ta_{bc}_{lose} N :ta_{bo}_{nly}
:tabn_{ext}≡gt N :tabN_{ext}≡gT≡:tabprev :tabr_{ewind} :tabl_{ast}
list, reorder, iterate :tabs :tabm_{ove} N :tabd_o cmd

Syntax highlighting and filetype detection

start, stop; list .. :sy_{ntax} enable, on, off :sy [list]
filetype detection .. :file_{type} [plugin][indent][on/off]
sync :sy sync [comment][fromstart]^{max}lines= n]
clear info :sy_{ntax} clear :hi_{ghlight} clear
highlight pattern :3mat_{ch} [none|group / pattern/]

Windows

split, quit window ^Ws :sp_{lit} [file] ^Wq≡:q[uit]
split mods :abo_{veleft} cmd :bel_{owright} :to_{pleft} :bo_{tright}
vertical split ^Wv :vert_{ical} cmd :vs_{plit} [file]
split & jump to alternate, file under cursor ^W^ ^Wf
split & start new, vertical ^Wn_{ew} [file] :vne_w
close, +hide buffer ^Wc≡:cl[ose][!] :hid_e [cmd]
make current window only one ^Wo≡:on[ly]
move cursor ↔ ^Wh ^Wl ^Wj ^Wk
cursor ↖, ↘ (wrap) ^WW ^W^W≡AW_w
cursor ☞, ☞, ☞¶ (last active) ^Wt ^Wb ^Wp
goto preview, exchange curr window with ☞☞ ^WP ^Wx
move window ↔ ^WH ^WL ^WJ ^WK
rotate ↖, ↗ ^Wr ^WR
size =, height +, -, N ^W= ^W+ ^W- ^W_
width +, -, N ^W> ^W< ^W|
cmd-line history window, search history ... q: q/ q?
exec cmd in each window :windo₁ cmd
edit file in preview window :ped_{it} [[+opt] [+cmd] file
close preview window ^Wz≡:pc[lose]

Scrolling

▼^E, ▲^Y ↓^D, ↑^U ▽^F, △^B
curr line in window ☞☞☞ zb≡z- zz≡z. zt≡z↓
←, ⇄ zh zl zH zL

Diff mode

start, stop :diffs_{plit} f :diffp_{atch} f :diffoff₁
jump ←, → to ¶ of change [c]c
get (obtain), put change, update .. do dp :diffu_{pdate}

Quickfix

display N th error, ☞☞, ☞¶ :cc₁ [N] :cn :cN
1st err in N th ☞☞ file, last in ☞¶ :cnf_{ile} :cnf_{ile}
◀, ▶; ☞¶, ☞☞ errlist .. :cfir_{st} :cla_{st} :col :cne_w
list, read from f :cl [from, [to]] :cf [f]
open, close; toggle :cope[height] :ccl :cw [height]
jump with split; use compiler ... ^W↓ :comp_{iler} compiler
make, grep :make [args] :gr_{ep} [args] :gre_p_{ad}
built-in; recurse dirs patt :vim_{grep}/patt/[g][j] f ... **
the same for location list :.ll :lne_{xt} :lnf_{ile}... :lmak_e

Folding

define fold manually (+ V) zfm :Rfold
open, close / all zo zc zo zC
delete, switch state / all zd za zd zA
fold more, reduce / all zm zr zM zR
fold none, normal (restore), invert zn zN zi
eliminate folds in window zE
¶/¶ of fold, ↓ [z]z zj zk

Messages

redir messages (>> to append) :redi_r > file :redi_r END
to reg, append to reg :redir @c> :redir @C>≡:redir @c>>
view messages, last msg :mes_{sages} :echo errmsg
exec silently, verbosely ... :sil_{ent} cmd :Nverb_{ose} cmd
ask confirmations :confir_m cmd
last page of previous cmd output g<
↓ in the message screen ↵_j ↵_d ↵_f ↵_G q

Edit text

replace N chars with c (+ B), keep layout rc grc
enter replace mode, keep layout; swap chars Rc gRc xp
char, ▶ $N-1$ lines (+ V); line, char .. cμ C cc≡S s
switch case for N chars (V); V : ↓, ↑ ~ u U
switch case, ↓, ↑ g~μ guμ gUμ
rot13 encoding (+ V); add/subtract N g?μ ^A ^X
indent →, ← >μ >> <μ <<
format text, +keep cursor pos gqμ gwμ
realign :Rce_{nter} N :Rle_{ft} N :Rri_{ght} N
adjust whitespaces :Rret_{ab} [tabstop]
change list, N th ☞¶, ☞☞ pos :changes g; g,
insert ☞☞gI ↓¶(B) ↓i a↓ A]↓(B) →o
record macro into reg, append, stop qc qC q
exec the contents of reg, repeat last @c @@

Delete

N chars ↔, ← (relative to cursor) x≡del X
over μ (+ V), N lines, ▶($N-1$ lines) dμ dd D
join lines (+ V), w/o inserting spaces(+ V) J gJ
R into register c :Rd_{ele}te c [N]

Copying and moving text

use reg c for ☞☞ del, yank, put; append to reg ... "c "C
yank into reg (+ V), N lines yμ yy≡Y
put reg ↓cursor/leave cursor after P p gP gp
like p P, but adjst indent to curr line]p [p
show contents of reg(s) :reg_{isters} [c]
special regs: last del or yank, small del " -
filename, alternate, eval expression % # =
clipboard(X11 selection), clipboard * +
last search, cmdline / :
last insert; yank; del/change 0 1..9

Undo/Redo

undo, undo line, redo; repeat change ... u U ^R N .
jump to after N th change, list changes .. :u_{ndo} N :undol_{ist}
go to older state, newer .. :earlier N ≡Ng- :later N ≡eg+

Insert mode

leave mode, for one cmd only eSC≡AC≡A[^O
leave mode for one cmd and don't move the cursor ... ^\^O
move by words, whole pages Shft↵ S-PgUp/Dn
scroll ↑, ↓; insert char from ↓↑.. ^X^E ^X^Y ^E ^Y
insert char literally, by decimal value ^Vc ^Vn
repeat recent insert; + stop ^A ^@
☞☞, ☞¶ match; indent →,← ^N ^P ^T ^D
del all indent, +restore in next line 0^D ^D
special completion, file, whole line, def ... ^X ^F ^L ^D
included file, tag, cmdline ^I ^] ^V
word from dict, thesaurus, 'complete' ^K ^T ^N
keywords, user-defined, omni ^N ^U ^O
spelling: 1st suggestion, ☞☞, ☞¶ s ^N ^P
del word before, all entered chars in line ^W ^U
line ↓ to column where insert started, ↑ ^Gj ^Gk
start new undoable edit; toggle lmap ^Gu ^^
reg contents, literally ^Rc ^R^Rc
reg literally fixing indent, don't autoindent ^R^Pc ^R^Oc

Pattern searches

→,← with offset *o*; interrupt */patt[/o]_d* ?*patt*[?*o*]_d ^C
repeat last, in opposite dir, →, ← *n* *N* /_d ?_d
*N*th →,← keyword/part under cursor ... * # *g** *g*#
stop highlighting if *hlsearch* is set :*nohlsearch*
subst *patt* with *str* :*Rs*_{ubstitute} / *patt* / *str* / [*flags*] *n*
repeat with new flags :*Rs*_{==&&} *flags*
subst last used search pattern with last *subst* :*R*[~] *flags*
repeat w/o flags on curr line; w/flags everywhere .. & *g*&
Ex cmd over matching (!≡not matching) :*Rg*_{lobal} / *patt* / *cmd*
flags: keep ☞| flags, confirm, skip errors & *c* *e*
all occurrences in the line; ignore case, not *g* *i* *I*
dry run; for: *s* w/o args-use last search pattern *n* *r*

Special chars in search patterns

[/] of line (at [/] of pattern), any single character ^ \$.
[/] of line (at any position in pattern) \^ _\$
literal ^, \$ in pattern; & in replace string ... \^ _\$ \&
[/] of word, whitespace, not < > \s
char from set, range, not [*abc*] [*a-z*] [^...]
digit, hex digit/not \d \x \D \X
alphabetic, word char/not \a \w \A \W
lowercase, uppercase/not \l \u \L \U
ignore case, force matching case \c \C
identifier char, keyword/excl digits ... \i \k \K
filename char, printable/excl digits ... \f \p \F \P
end-of-line, last subst; char class *x+EO*L .. \n ~ _x
esc, *tab*, *cr*, *bs*; in Visual area \e \t \r \b \%V
group into atom, not count as subexpr ... \(...\) \%(...\)
alternatives (or), branch (and) *A* \| *T* *A* & *T*
optional sequence (*A*, *A*₁, *A*₁*t*₁*t*₂...) *A* \%[*t*₁*t*₂...]
matched group #1...9, whole match \1...\9 \0≡&
count: 0⁺, 1⁺, 0...1, *k*...*n* \{_≡* \+ \=≡\? \{*k*,*n*
k, *k*⁺, 0...*n* matches \{*k** \{*k*, \{*k*,
non-greedy ... \{-* \{-*k*,*n* \{-*k** \{-*k*,
atom *A* as a whole w/o backtracking *A* \@>

Advanced zero width patterns

match at mark, before, after \%'*m* \%<'*m* \%>'*m*
match at atom *A*, not match *A* \@= *A* \@!
match at *T* if *A* matches, not *A* \@<=*T* *A* \@<!*T*
set start/end of returned match \zs \ze

Offsets after search command

n lines ↓,↑ in column 1 *n*_{≡+*n*} -*n*
n chars →,← from [/] of match .. *e*_{+*n*} *e*_{-*n*} *s*_{+*n*} *s*_{-*n*}
execute *searchcmd* next ;*searchcmd*

Spell checking

☞☞, ☞| misspelled word, bad only *s* [*s*]*S* [*S*
add a good/wrong word to 'spellfile' *zg* *zw*
temporarily *zG* *zW*
undo adding *zuw* *zug* *zuW* *zuG*
correct spelling, repeat everywhere *z=* :*spellr*_{epall}

Autocommands

create, list ... :*au* [*grp*] *event* *patt*<[*buffer*]> [*nested*] *cmd*
remove ... :*au*!_{!ocmd} [*grp*] [*event*]* [*patt* [*nested*] *cmd*]]]
define group for next autocmds, !=del .. :*aug*_{roup} *name*|END

Command-line mode

[/] of command line, reg contents ^B ^E ^Rc
insert word under cursor, WORD ^R^W ^R^A
insert filename, expanded with 'path' ^R^F ^R^P
delete word, chars till start of line ^W ^U
insert char literally, by decimal val ^Vc ^Vn
↑ history, by entered prefix . *Shift* ↑≡*PageUp*/*PageDn* ↓
cmd-line history, search history :*his*_{tory} :*his*/
open command-line window ^F
recall search history by prefix; toggle *lmap* /↑ ^
copy modeless selection to clipboard ^Y
repeat last command line @:
exec reg as an *Ex* cmd, repeat last @c :@@

Completion

list all matches, insert all matches ^D ^A
longest common, ☞☞, ☞| ^L ^N ^P
add char from the curr match for / & ? if 'is' is on ... ^L

Visual mode

start/stop char-wise, line-wise *V*, *B* *v* *V* ^V
exchange cursor pos cross-wise, line-wise *o* *O*
restore ☞| selection, *V*: exchange curr & prev *gv*
extend *B* to *max* \$

Tags (tag *t* may be a /pattern)

jump to tag *t*, display stack ? *ta*_g^{*t*} :*tags*
jump to *N*th newer, older :*ta*_g^{*t*} :*po*_p≡^*N**T*
select from list, jump (if 1) or select ? *ts*_{elect}^{*t*} ? *tj*_{ump}^{*t*}
tag under cursor, select, jump *]* *g*] *g*^]
split: tag under cursor, select, jump ^W^] ^Wg] ^Wg^]
→,←,☞,☞| :*tn*_{ext}^{*t*} :*tp*_{rev}^{*t*} :*tf*_{irst}^{*t*} :*tl*_{ast}^{*t*}
display unknown include files, all :*che*_{ckpath}^{*t*}

Keywords and macro definitions

display 1st line with keyword, all lines [*i* [*I*
idem, but start from curr line [*i*]*I*
jump to 1st line with keyword, start from curr pos [^*I*]^*I*
keyword, macrodef with split ... ^W1≡^W^*I* ^Wd≡^W^*A**D*
display 1st line in range with kwd :*Ris*_{earch}^{*t*} [*N*] [/]*pattern*
split :*isearch* :*Risp*_{lit}^{*t*} [*N*] [/]*pattern*
display all lines, jump :*Ril*_{ist}^{*t*} [/]*pattern* :*ij*_{ump}^{*t*}
local, global identifier declaration *gd* *gD*
the same, ignoring matches in sibling blocks .. *lgd* *lgD*
for macrodefs commands, replace (i, I)↦(d, D)

Preview window

:*pta*_g^{*t*} :*pp*_{op}^{*t*} :*ptn*_{ext}^{*t*} :*pts*_{elect}^{*t*} *f*...
tag under cursor, jump ^W} ^Wg}
1st line in range with keyword :*Rps*_{earch}^{*t*} [*N*]/[/]*pattern*

Cscope

invocation format ? *cs*_{cope} *cmd* [*args*]
commands: add connection ... add *path* [-*Ppath*] [*flags*]
show connections, help show help
reset, kill connections *reset* kill *num*|*partialname*
find symbol, definition, callee, caller find *s* *g* *d* *c*
text, egrep, file, who includes *t* *e* *f* *i*
search cscope database and TAGS files :*cst*_{ag} *tag*

Key mapping

h→*r*, print :*Mma*_p^{*t*} <[*buffer*]> *l* *r* :*Mma*_p^{*t*} [*I*]
disallow remapping of *r* :*Mno*_{remap}^{*t*} *l* *r*
remove, all :*Munm*_{ap}^{*t*} *l* :*Mmapc*_{lear}^{*t*}
Modes (no *M*≡Normal & *V*, !=Insert & Command-line)
normal, insert, command line *n* *i* *c*
visual, select, visual & select *x* *s* *v*
operator-pending, lang arg+i+c *o* *l*

Abbreviations

Modes: insert, command line (default both) *i* *c*
create :*Mab*_{previate} *l* *r* :*Mnorea*_{abbrev} *l* *r*
print :*Mab*_{previate} [*I*]
remove, all :*Muna*_{abbreviate} *l* :*Mabc*_{clear}

Options

show modified, set :*se*_t :*se*_t *opt*=*val*
non-termcap, termcap :*se*_t all :*se*_t *termcap*
toggle option: on, off, invert .. :*se*_t *opt* *noopt* *invopt*
append, prepend, remove /+,*,− .. :*se*_t *opt*+*val* ^= -=
show val, reset :*se*_t *opt*? :*se*_t *opt*& :*se*_t all&
show where the value was last set ... :*verbose* set *opt*?
set local, global value :*set*_{local} :*set*_{global}
open options window :*opt*_{ions}

Some useful options

cd to current file directory *autoch*dir *acd*
autom. read file when changed outside *autoread* *ar*
automatically write file if changed *autowrite* *aw*
same, works with more cmds *autowriteall* *awa*
read/write/edit file in binary mode *binary* *bin*
prepend a Byte Order Mark to the file *bomb*
action for buffer without window *bufhidden* *bh*
whether show buffer in the buffer list *buflisted* *bl*
the type of a buffer *buftype* *bt*
list of directories searched with :*cd* *cdpath* *cd*
use clipboard as unnamed reg *clipboard* *cb*
number of columns in the display *columns* *co*
ask about unsaved/read-only files *confirm* *cf*
use cscope for tag commands *cscopetag* *cst*
:cstag order (0 - cscope 1st; 1...) *cscopetagorder* *csto*
highlight the current screen column .. *cursorcolumn* *cuc*
highlight the current screen line *cursorline* *cul*
diff mode options *diffopt* *dip*
encoding used internally *encoding* *enc*
use spaces for *Tab* *expandtab* *et*
file encoding for multi-byte text *fileencoding* *fenc*
autom. detected encodings *fileencodings* *fencs*
file format used for file I/O *fileformat* *ff*
autom. detected fileformats *fileformats* *ffs*
type of file *filetype* *ft*
close fold when cursor leaves *foldclose* *fcl*
width of the folds column *foldcolumn* *fdc*
close folds with level > *val* *foldlevel* *fdl*
markers for foldmethod=marker *foldmarker* *fmr*
kind of folding for the curr window *foldmethod* *fdm*
min nr of lines for closed fold *foldminlines* *fml*
maximum fold depth *foldnestmax* *fdn*

don't unload buffer when it is abandoned ... *hidden* *hid*
highlight last search pattern matches *hlsearch* *hls*
ignore case in search patterns *ignorecase* *ic*
use :*lmap* or IM in Insert mode *iminsert* *imi*
use :*lmap* or IM for search pattern *imsearch* *ims*
incremental search highlight *incsearch* *is*
name of a keyboard mapping *keymap* *kmp*
chars for other language mode *langmap* *lmap*
wrap long lines at a blank *linebreak* *lbr*
number of lines in the display *lines*
lisp indenting mode *lisp*
words that influences lisp indenting *lisps*words *lw*
show unprintable characters *list*
unprintable chars to display in list mode *listchars* *lcs*
maximum amount of memory per buffer *maxmem* *mm*
idem for all buffers altogether *maxmemtot* *mmt*
changes to the text are not possible *modifiable* *ma*
buffer has been modified *modified* *mod*
print the line number in front of each line *number* *nu*
nr of columns for line number *numberwidth* *nw*
function for omni completion *omnifunc* *ofu*
allow pasting text *paste*
key sequence to toggle paste *pastetoggle* *pt*
list of directories searched with "gf" et.al. *path* *pa*
disallow writing the buffer *readonly* *ro*
scroll in window with others *scrollbind* *scb*
round indent to multiple of sw *shiftround* *sr*
number of spaces for indent step *shiftwidth* *sw*
show full tag when completing *showfulltag* *sft*
override ic of pattern contains upper case *smartcase* *scs*
use sw when inserting *Tab* *smarttab* *sta*
number of spaces for *Tab* key *softtabstop* *sts*
check spelling *spell*
name of the word list file *spellfile* *spf*
word list to check spelling *spelllang* *spl*
put new splitting window below *splitbelow* *sb*
put new splitting window on the right ... *splitright* *spr*
window action when switching buffer ... *switchbuf* *swb*
syntax to be loaded for current buffer *syntax* *syn*
number of spaces for *Tab* *tabstop* *ts*
whether push tags onto the tag stack *tagstack* *tgst*
encoding used by the terminal *termencoding* *tenc*
maximum width of text *textwidth* *tw*
give informative messages *verbose* *vbs*
log messages in a file *verbosefile* *vfile*
modes in which to use virtual editing ... *virtualedit* *ve*
long lines wrap and continue on the next line *wrap*
searches wrap around the end of the file ... *wraps*can *ws*
writing to a file is allowed *write*
! is not needed for override *writeany* *wa*

N - an optional numeric argument (prefix for normal mode commands), *c* - character, *μ* - movement or text object, *n* - number, *f* - file, *V* - Visual mode, *B* - visual block mode, *R* - range, [- start,] - end, @ - first nonblank char, ? - command has variant with splitting the window (i.e. *s* after ?), ☞☞/☞| - next/prev, WORD is a sequence of non-blank chars, separated with white space, w/o - without