

Vim

why Vim?

- it's ubiquitous
- it's scalable
- it's powerful
- it does change the way you think a bit
- it does make you more efficient and productive over time

configuration

- again, grab my `.vimrc` and put in in your `~`
- feel free to research and customize

installing vim

- `sudo apt-get install vim`

starting vim

- `vim`
- `vim ~/.bashrc`

several modes

- normal/command mode (this is the default when starting vim)
 - ESC gets back to this mode from most other modes
- insert mode
 - `i`
- visual mode
 - `v`
- ex(ternal) mode (more later)

moving around

- up, down, left, right, PgUp, PgDn
- Ctrl+left, Ctrl+right (by word)
- 0, \$ (beginning, end of line)
- H, M, L (top, middle, end **of screen**)
- gg (or 1G or :1), G (beginning, end **of file**)
- :*n* (line *n*)
- % (matching brace, bracket, parenthesis)

exiting

- :q
- :q! (do it now and don't save even if I've made changes)
- :wq or ZZ (save first)
- Ctrl+Z (suspend/background), then fg

character deletion

- dl (delete character under cursor)

inserting text (all switch to insert mode)

- i (insert under cursor)

o, O (insert a new line below, above cursor)

saving

:w

:w filename (save to filename)

also works with v to save the buffer

deleting words

dw (delete word under cursor)

deleting lines

dd (delete current line)

d\$, d0 (delete from cursor to end of line, from beginning of line)

undo and redo

u

:redo or Ctrl+R

copy/paste

v (visual/highlight mode), then move around

y (to yank/copy)

yy (yank/copy the current line – no need for v)

d (to delete/cut)

p, P (paste after, before current character)

replace

rn (replace character under cursor with *n*)

search

/search_string (search forward)

?search_string (search backward)

n, N (next, previous match)

substitutions

:%s/foo/bar/ (change first occurrence of foo to bar on every line)

:s/foo/bar/ (change first occurrence of foo to bar on current line)

:%s/foo/bar/g (change all occurrences of foo to bar on every line)

:%s/foo/bar/cg (change all occurrences of foo to bar on every line; must confirm each change)

:5,10s/foo/bar/g (change all occurrences of foo to bar on lines 5 through 10)

repeating commands

5dd

5dw

. (repeat the last command)

macros

qn (start recording a macro named *n*)

then, q to stop recording

@n (play back the macro named *n*)

10@*n* (run the macro *n* 10 times)

I usually name my macros *q* (*qq* is easy to type)

retrieve content of a file and insert under current line

:r filename

ex(ternal) mode

can run external (i.e., terminal) commands

!*n*

!*ls -lh*

there's a lot more...see

<https://danielmiessler.com/study/vim/>

<https://linuxconfig.org/vim-tutorial>

<http://vim.wikia.com/wiki/Tutorial>

<https://www.linux.com/learn/vim-101-beginners-guide-vim>