

VIM

Vi IMproved and adapted

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My system

- macOS 13.1 (Ventura)

```
start cmd:> which vim  
/usr/bin/vim
```

```
start cmd:> vim --version  
VIM - Vi IMproved 9.0 (2022 Jun 28, compiled Nov 5 2022 00:19:23)  
macOS version - arm64  
Included patches: 1-639
```

Configuration file (1/5) - general info

- `$(HOME)/.vimrc`
- contains Vimscript code
 - Vimscript allows empty lines
 - Vimscript uses comments introduced by `"`
- `vi` runs that code every time you open vim
- find location of `.vimrc`
 - open `vi`
 - run `: echo $MYVIMRC`

Configuration file (2/5) - basic settings

- some basic settings

Examples

```
filetype plugin indent on "detect filetype and indents automatically
set nocompatible          "run only in vi improved mode
syntax on                 "enable syntax highlighting
set autoread              "re-read a file that changed outside vim
set background=dark       "set a dark background
set laststatus=2          "show status bar always at bottom of window
"status bar format
set statusline=%F\ Filetype:%y\ modified:%m\ %r\ Position:\ %l(%L)/%c
set number                "show line number
set numberwidth=4         "4 fields for number
set showmatch              "show matching brackets
```

Configuration file (3/5) - leaders

- *mapleader* affects every buffer
- *maplocalleader* affects local buffer
- can be used to introduce mappings

Examples

```
let mapleader=','  
let maplocalleader='<'
```


Configuration (4/5) - mappings

- *nnoremap* - works in normal mode and cannot be remapped
- *inoremap* - works in insert mode and cannot be remapped

Examples

```
nnoremap <leader>+ ddkkp "delete current line and paste it above
nnoremap <leader>- ddp    "delete current line and paste it below
nnoremap <c-u> gUw        "translate current word to UPPERCASE
nnoremap <leader>ev :split $MYVIMRC<cr> "open vimrc for editing
nnoremap <leader>sv :source $MYVIMRC<cr> "re-read vimrc file
"put quotes around current word
nnoremap <leader>" viw<esc>a"<esc>bi"<esc>lel
```

Configuration (5/5) - autocommands

- execute commands on special events
- *augroup* creates auto command groups to control range of commands

Example

```
augroup NewBuf
autocmd! "delete all auto commands for this group
"insert personal header to markdown file
autocmd BufNewFile *.md :r ~/office/wiki_header.meta
augroup end
```

Plugins

- run Plugins with a plugin manager
- **Vundle**
- install:

```
""path to Vundle.vim script; Vundle is my plugin manager
set rtp+=~/vim/bundle/Vundle.vim
```

```
"the list of vim plugins i use
call vundle#begin()
    Plugin 'VundleVim/Vundle.vim'
    Plugin 'vimwiki/vimwiki'
call vundle#end()
```

- create Wiki pages within vim
- I use Markdown
- simple configuration

```
let g:vimwiki_list=[{'path'           : '~/Documents/vimwiki',  
                    'path_html'       : '~/Documents/vimwiki/html',  
                    'diary_rel_path'   : '',  
                    'custom_wiki2html': '~/go/bin/vimwiki-godown',  
                    'syntax'          : 'markdown',  
                    'ext'              : '.md'}]
```

<https://vimwiki.github.io>

List of references

- ① Learn Vimscript the Hard Way
 - Steve Losh
 - <https://learnvimscriptthehardway.stevelosh.com>