

vi & vim Basics

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Agenda

- Intro
- Why should I bother?
- vi/vim Sur-vi-val Skills
- More vi/vim stuff
- What are your favourite vi/vim tricks?

Intro

- **ed** (1969) → **ex** / **vi** (1976) → **vim** (1991)
- vim = vi + extras
- May look intimidating at first...

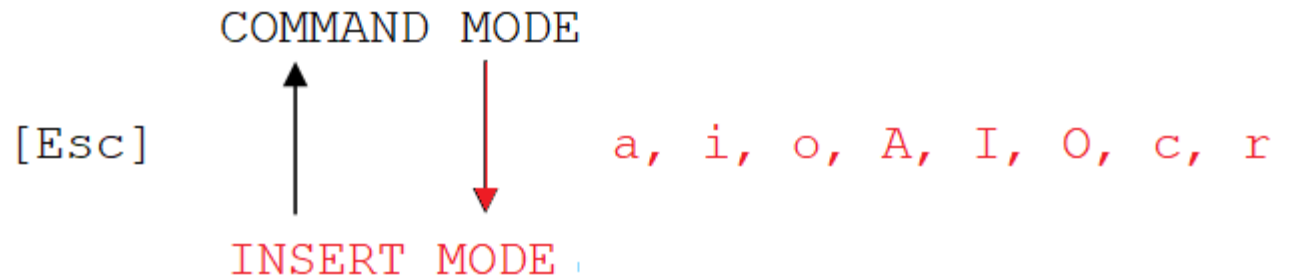


Why should I bother?

- It's **very fast** for anything, easily addictive
- **Powerful** (800+ built-in functions)
- Lots of plugins & customization ability
- Short learning curve (basics = 1 day)
- Found standard on most distros
- A **vi-able skill** for any Linux admin, user or developer

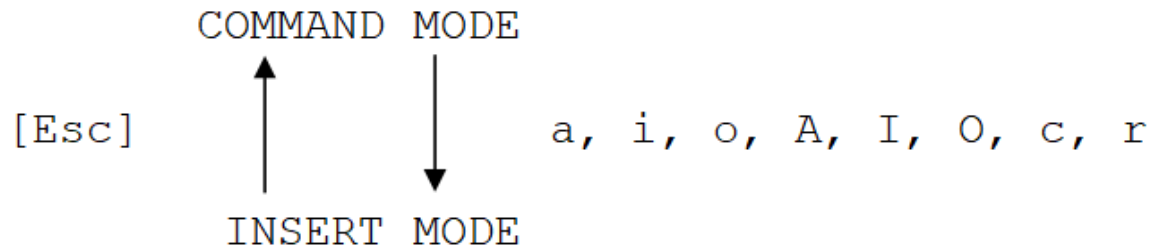
vi/vim Sur-vi-val Skills

`git clone https://github.com/jasoneckert/classfiles.git`



| | | |
|-----------------|------------|----------|
| : | yy | J |
| :q! | y3y or 3yy | u |
| :wq or :x or ZZ | y3w 3yw | [Ctrl]-g |
| :w lala | p P | |
| :set all | dd | |
| :set showmode | d3d or 3dd | |
| :set number | d5w 5dw | |
| :set nonumber | x | |

vi/vim Sur-vi-val Skills (expanded)



Commands used to enter INSERT MODE include:

- a start appending text after current character
- i start inserting text before current character
- o open a new line underneath the cursor to insert text
- A start appending text after current line
- I start inserting text at the beginning of the current line
- O open a new line above the cursor to insert text
- c start inserting text on the character that you are on
- r replace one character only

Bought a Macbook with no Esc key? Ctrl-[

vi/vim Sur-vi-val Skills (expanded)

Common commands used when in COMMAND MODE:

| | |
|--------------------------------------|---|
| <code>:</code> | takes you to the interactive <code>:</code> prompt |
| <code>:wq</code> | save and quit |
| <code>:w lala</code> | save as file lala |
| <code>:q!</code> | quit and throw away any changes |
| <code>:set all</code> | to see all vi environment parameters |
| <code>:set showmode</code> | to set the showmode parameter |
| <code>:set number</code> | to set auto line numbering |
| <code>:set nonumber</code> | to unset auto line numbering |
| | |
| <code>ZZ</code> or <code>:x</code> | to save and quit (same as <code>:wq</code>) |
| | |
| <code>yy</code> | yank a line of text to the buffer |
| <code>y3y</code> or <code>3yy</code> | yank 3 lines of text to the buffer |
| <code>y3w</code> <code>3yw</code> | yank 3 words of text to the buffer |
| <code>p</code> | paste the contents of the buffer below the current line |

vi/vim Sur-vi-val Skills (expanded)

| | |
|------------|--|
| P | paste the contents of the buffer above the current line |
| dd | delete the current line |
| d3d or 3dd | delete 3 lines |
| d5w 5dw | delete 5 words |
| x | delete one character |
| J | join lines (join line below you to current line) |
| u | undo recent change |
| [Ctrl]-g | current line stats |

More vi/vim stuff

```
/usr/share/vim/vimrc
```

```
~/.vimrc or ~/.exrc
```

```
set number ruler showmatch noshowmode ts=4
```

```
syntax on
```

```
inoremap QQ <esc>
```

```
:% s/the/WOW/g
```

```
:1,$ s/the/WOW/g
```

```
:ab LNX Linux rocks
```

```
/Mother
```

(n = next, N = previous)

```
?Mother
```

```
:r proposal1
```

```
:r !date
```

```
:sh
```

```
ddp
```

```
~
```

```
gUU
```

More vi/vim stuff

```
dnf update vim-minimal ; dnf install vim  
apt upgrade vim-tiny ; apt install vim
```

```
vimtutor
```

```
:help help  
:help p  
:help!  
:help 42  
:help quotes  
:help holy-grail
```

More vi/vim stuff

| | |
|--------------------------------|---|
| <code>:e proposal1</code> | Edit new file (called proposal1) |
| <code>:split proposal1</code> | Split screen (horizontal) and edit new file |
| <code>:vsplit proposal1</code> | Split screen (vertical) and edit new file |
| <code>Ctrl-ww</code> | Move between windows |
| <code>Ctrl-w, _</code> | Maximize current window |
| <code>Ctrl-w, =</code> | Revert to equal size |
| | |
| <code>:tabe lala</code> | Creates new tab called lala |
| <code>:tabs</code> | Show tabs |
| <code>:tabn</code> | Next tab |
| <code>:tabp</code> | Previous tab |

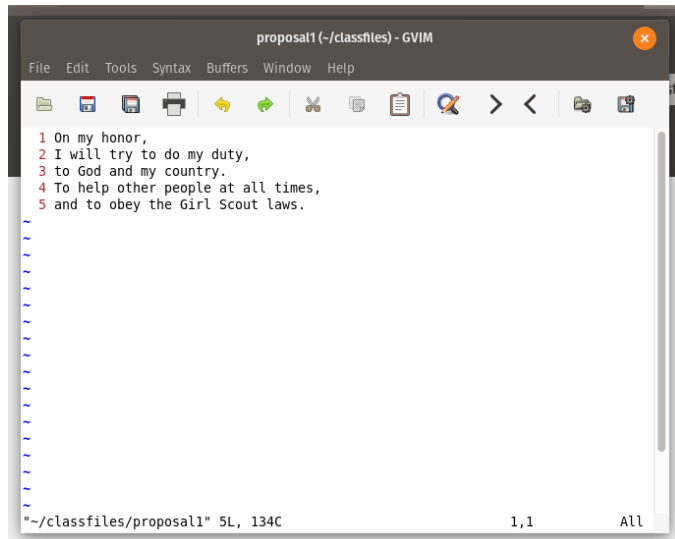
More vi/vim stuff

`zf2j` fold next 2 lines (`zo=open`, `zc=close`, `zd=delete`)

Vim plugins? E.g. Solarized, fugitive, and so on.

1. Add plugin bundle to your `.vim` directory & set `runtimepath=_____` in `.vimrc`
2. Use a plugin manager (Vundle, Pathogen, vim-plug, etc.)

`:set rightleft`



What are your favourite vi/vim tricks?

- PSSH