vi & vim Basics

jasoneckert.net
Agenda

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

- vim = vi + extras

- May look intimidating at first...

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**I Am Developer**
@iamdevloper

I've been using Vim for about 2 years now, mostly because I can't figure out how to exit it.

6:26 PM · Feb 17, 2014 · [Tweetbot for iOS](https://tweetbot.com/)

13.7K Retweets 8.7K Likes
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

COMMAND MODE

[Esc]

INSERT MODE

a, i, o, A, I, O, c, r

:\n:q!
:wq or :x or ZZ
:w lala
:set all
:set showmode
:set number
:set nonumber

YY
y3y or 3yy
y3w 3yw
p P
dd
d3d or 3dd
d5w 5dw
x

J
u
[Ctrl]-g
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-[
<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>:</td>
<td>takes you to the interactive : prompt</td>
</tr>
<tr>
<td>:wq</td>
<td>save and quit</td>
</tr>
<tr>
<td>:w lala</td>
<td>save as file lala</td>
</tr>
<tr>
<td>:q!</td>
<td>quit and throw away any changes</td>
</tr>
<tr>
<td>:set all</td>
<td>to see all vi environment parameters</td>
</tr>
<tr>
<td>:set showmode</td>
<td>to set the showmode parameter</td>
</tr>
<tr>
<td>:set number</td>
<td>to set auto line numbering</td>
</tr>
<tr>
<td>:set nonumber</td>
<td>to unset auto line numbering</td>
</tr>
<tr>
<td>ZZ or :x</td>
<td>to save and quit (same as :wq)</td>
</tr>
<tr>
<td>yy</td>
<td>yank a line of text to the buffer</td>
</tr>
<tr>
<td>y3y or 3yy</td>
<td>yank 3 lines of text to the buffer</td>
</tr>
<tr>
<td>y3w 3yw</td>
<td>yank 3 words of text to the buffer</td>
</tr>
<tr>
<td>p</td>
<td>paste the contents of the buffer below the current line</td>
</tr>
</tbody>
</table>
vi/vim Survival Skills (expanded)

P                  paste the contents of the buffer above the current line

dd                 delete the current line
d3d or 3dd         delete 3 lines
dsw 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 LN X Linux rocks
/Mother
?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

:e proposal1
:split proposal1
:vsplit proposal1
Ctrl-ww
Ctrl-w, _
Ctrl-w, =

:tabe lala
:tabs
:tabn
:tabp

Edit new file (called proposal1)
Split screen (horizontal) and edit new file
Split screen (vertical) and edit new file
Move between windows
Maximize current window
Revert to equal size

Creates new tab called lala
Show tabs
Next tab
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