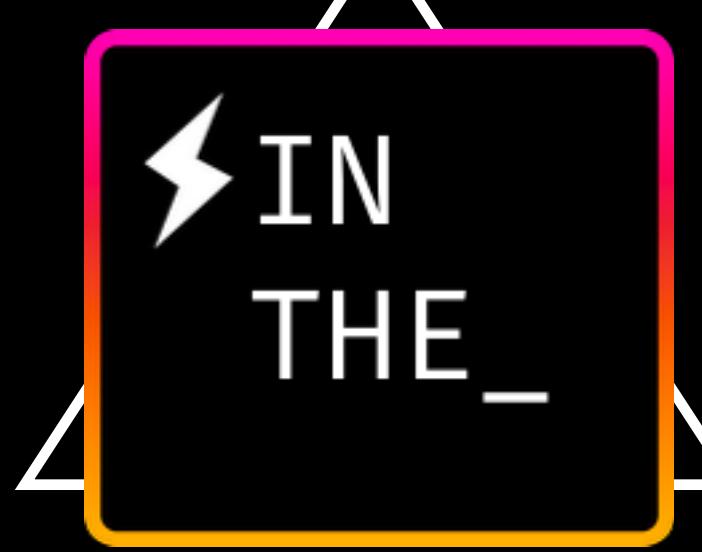
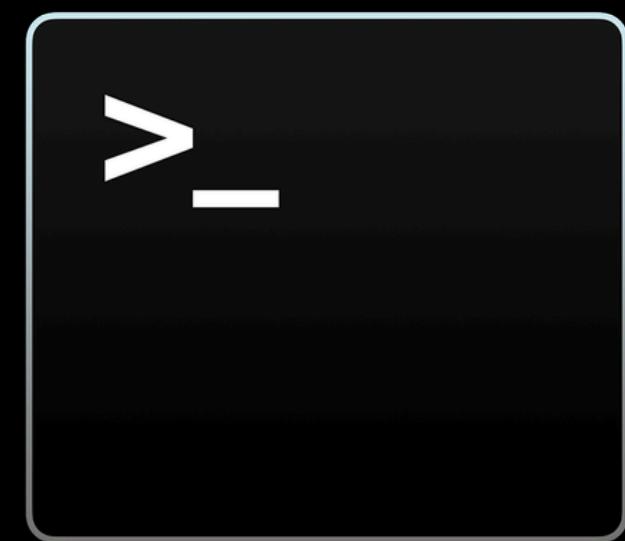


GHOST IN THE SHELL

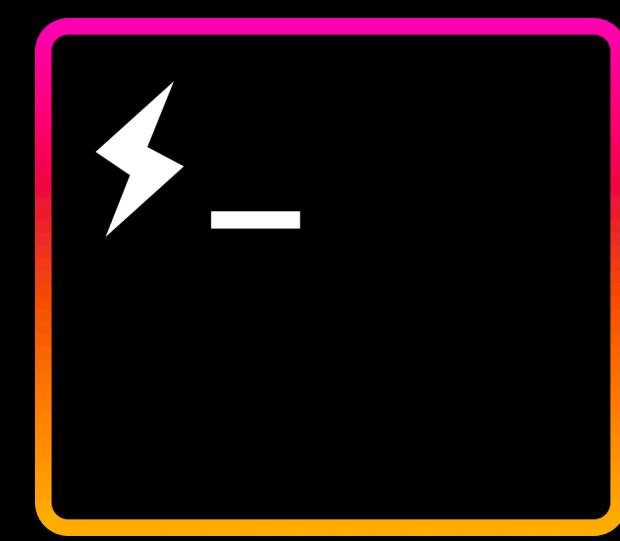




Terminal Emulators



Terminal



Hyper



iTerm 2



So why is it called a
Terminal Emulator?

The image shows two windows side-by-side on a Windows desktop. The left window is a terminal window titled "Windows PowerShell" with the command prompt "rich@richturn02:~\$". It displays a detailed file listing of the root directory ("/") with columns for mode, owner, group, permissions, size, date, and name. The right window is a Command Prompt window titled "Command Prompt" with the command prompt "C:\Users\richturn>". It displays a simplified directory listing of the C:\ drive.

Windows PowerShell (Left Window):

```
rich@richturn02:~$ ll /
total 104
drwxr-xr-x 1 root root 4096 Apr 20 14:29 .
drwxr-xr-x 1 root root 4096 Apr 20 14:29 ..
drwxr-xr-x 1 root root 4096 Apr 20 15:10 bin/
drwxr-xr-x 1 root root 4096 Sep 22 2017 boot/
drwxr-xr-x 1 root root 4096 Jun 5 17:21 dev/
drwxr-xr-x 1 root root 4096 May 29 15:47 etc/
drwxr-xr-x 1 root root 4096 Apr 18 17:07 home/
drwxr-xr-x 1 root root 4096 Dec 31 1969 init*
-rw-rxr-x 1 root root 104456 Dec 31 1969 lib/
drwxr-xr-x 1 root root 4096 Apr 20 15:11 lib64/
drwxr-xr-x 1 root root 4096 Apr 18 17:11 media/
drwxr-xr-x 1 root root 4096 Sep 22 2017 mnt/
drwxr-xr-x 1 root root 4096 Apr 20 12:51 opt/
drwxr-xr-x 1 root root 4096 Sep 22 2017 proc/
dr-xr-xr-x 9 root root 0 Jun 5 17:21 root/
drwxr-xr-x 1 root root 4096 Sep 22 2017 root/
drwxr-xr-x 1 root 1026 Jul 5 17:21 tmp/
drwxr-xr-x 1 root 1026 Jul 5 17:21 var/
rich@richturn02:~$
```

Windows Command Prompt (Right Window):

```
Microsoft Windows [Version 10.0.17687.1000]
(c) 2018 Microsoft Corporation. All rights reserved.

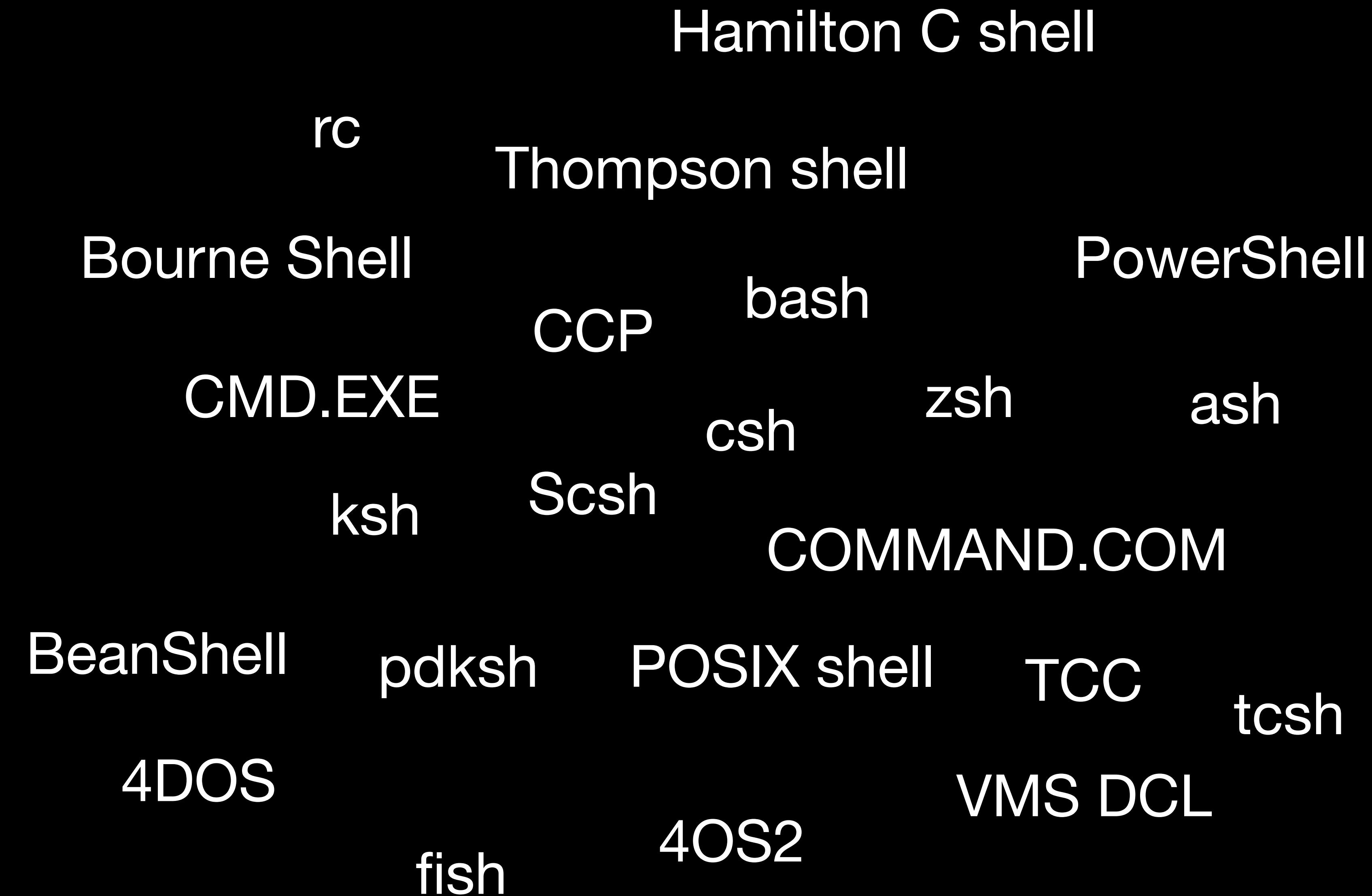
C:\Users\richturn>dir c:\
Volume in drive C has no label.
Volume Serial Number is ACEE-120A

Directory of c:\
03/08/2018 01:04 <DIR> c22ce142af63e84db9c490
06/01/2018 14:54 <DIR> dev
05/14/2018 14:58 <DIR> Intel
05/16/2018 13:22 <DIR> Microsoft
06/05/2018 05:34 <DIR> PerfLogs
06/05/2018 15:31 <DIR> Program Files
06/05/2018 15:31 <DIR> Program Files (x86)
06/05/2018 15:31 <DIR> temp
06/01/2018 09:54 <DIR> tools
05/22/2018 13:09 <DIR> Users
06/05/2018 14:33 <DIR> Windows
06/05/2018 14:43 <DIR> Windows.old
06/05/2018 14:42 <DIR> WU_logs
06/05/2018 17:18 <DIR>
          0 File(s) 0 bytes
          13 Dir(s) 59,117,498,368 bytes free

C:\Users\richturn>
```

But a terminal emulator is not enough

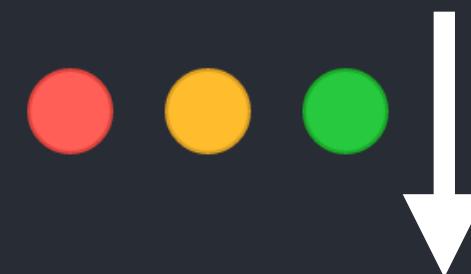
We need a command-line processor





Dissecting a UNIX command

flags



```
> ls -al /usr ← parameter
```



program

“List files in a directory,
list ALL of them, even hidden ones
and use the LONG format so that I get some details.
Oh and please perform this listing in the /usr directory”



Here's what we need

man/which	curl	(show a program's manual/location)
pwd		(print working directory)
cd ..		(change directory)
mkdir	myNewDir	(create directory)
find	-iname / "file"	(find files & folders)
rm	-rf /	(remove files & folders)
mv	file newfile	(move/rename file or folder)
cp	-r * /usr/lib	(copy files)



Special ops

cd ~	(the users home directory)
ls /usr grep me	(passes output to another program)
ls /usr > a.txt	(redirects output into a file)
ls /usr >> a.txt	(appends output to a file)
echo 1 echo 0	(RHS is executed if LHS exited > 0)
echo 1 && echo 0	(RHS is executed if LHS exited == 0)
FOO="a" node a.js	(injects \$FOO as an env var)



*"Oh My Zsh will not make
you a 10x developer... but
you might feel like one."*

🐚 Shell we?



Fork

0

<https://github.com/erikmueller/ghost-in-the-shell>

Create new file

Find file

Clone or download ▾

Clone with HTTPS ⓘ

Use SSH

Use Git or checkout with SVN using the web URL.

<https://github.com/erikmueller/ghost->



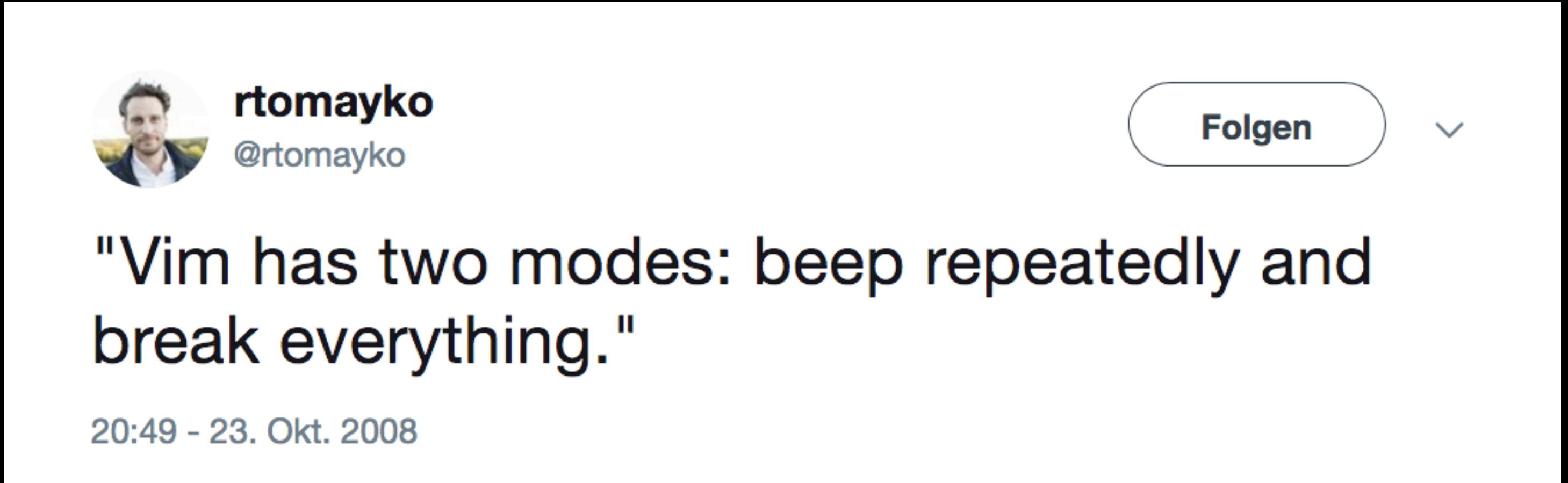
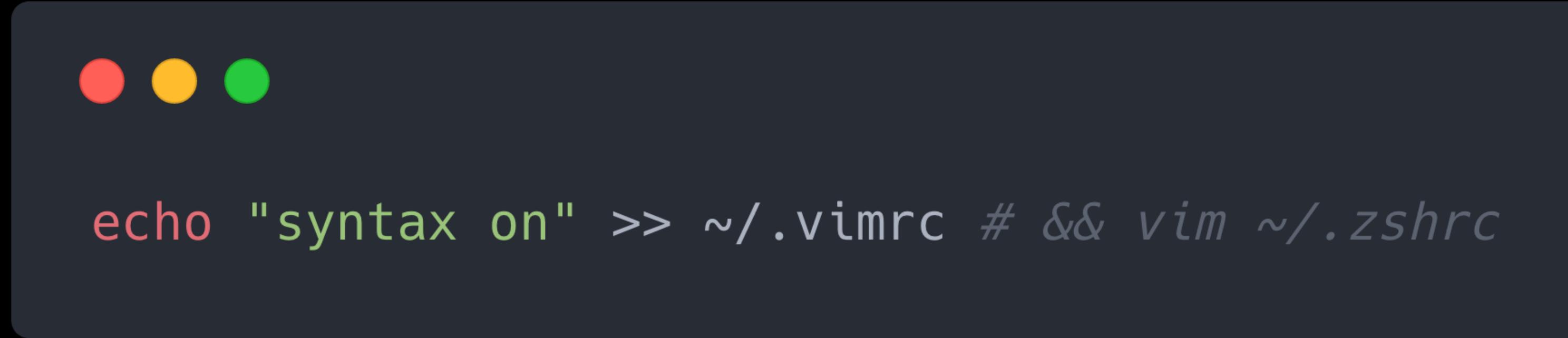
[Open in Desktop](#)

[Download ZIP](#)



```
curl -L "https://raw.githubusercontent.com/robbyrussell/oh-my-zsh/master/tools/install.sh" | sh
```

Vim Interlude



A screenshot of a Twitter post from the user **rtomayko** (@rtomayko). The post contains a quote and a timestamp.

rtomayko @rtomayko

Folgen ▾

"Vim has two modes: beep repeatedly and break everything."

20:49 - 23. Okt. 2008



Shift + ZZ

5x ESC :q!



Clone all the things



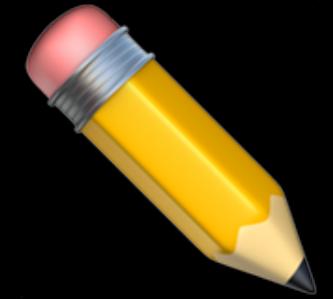
```
> git clone https://github.com/zsh-users/zsh-autosuggestions $ZSH_CUSTOM/plugins/zsh-autosuggestions
```

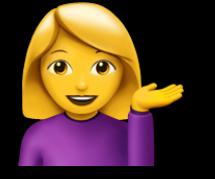


```
plugins=(git docker asdf osx zsh-autosuggestions)
```



```
> . ~/.zshrc
```





We cloned another Repo, remember?



Let's git started

git remote -v	(list remotes + details)
git remote add <name> <url>	(add a new remote)
git status	(see what's been done)
git checkout -b <branch>	(create <branch> & switch)
git stage/add <file>	(add <file> to staging)
git reset <file>	(rem <file> from staging)
git push <remote>	(pushes the current branch to <remote>/<branch>)



Logging and time travel

```
git log                                (show commit history)  
git log --decorate --oneline --graph --all  
git rebase -i HEAD~3                  (edit the last 3 commits)  
git reflog                            (shows operations performed)  
git reset --hard HEAD@{2}  (reverts to point in reflog)  
  
(ohmyzsh) glola          (git log graph, pretty, all)
```



Go to <https://ohmyz.sh> and check plugins, themes and a ton of aliases

Visit <https://www.atlassian.com/git/tutorials>

Give fish a try at <https://fishshell.com>

Go grab a 🍺

Stay awhile and listen (or ask questions)