

# *CLI* for WordPress

## an introduction

Hollywood WordPress Meetup

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# Who Am I?

- Mike Schroder, a.k.a DH-Shredder, a.k.a. @GetSource
- Third Culture Kid, enjoy Coffee & Sailing
- WordPress Core and wp-cli Contributor
- Happy DreamHost Employee

***There are two groups  
of people.***

***Those who use the  
command line***

***Those who are going to use  
the command line***

***Don't be afraid of the CLI.***  
It's your friend.

***Oh, you like the CLI?***  
**wp-cli will make your life better.**

# *Command Line Interface:*

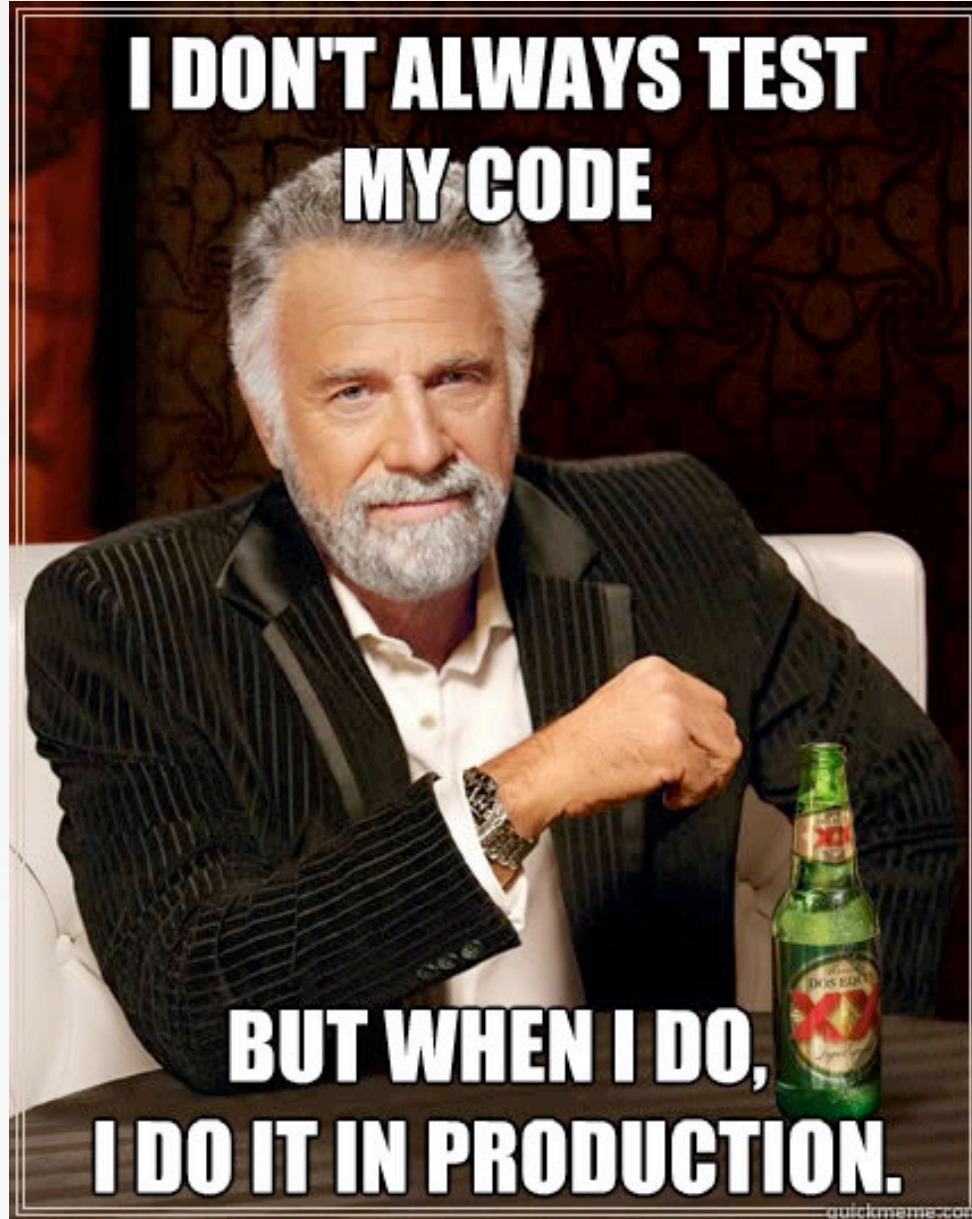
**A direct, text-based, interface  
to a computer.**



A direct, text-based,  
interface to *your server*.

At your host, you'll see this referred to as *SSH*.

Perform operations *directly*  
on your server.



```
1. bash
(git:master) +151 macNull:wp-cli mike$ ls
CONTRIBUTING.md  composer.json      phpunit.xml.dist  vendor
LICENSE.txt      features           templates          wp-cli-backup.diff
README.md        man-src           tests
bin              php               utils
(git:master) +151 macNull:wp-cli mike$ utils/
contrib-list     dev-build         find-php          wp-completion.bash
(git:master) +151 macNull:wp-cli mike$ utils/
contrib-list     dev-build         find-php          wp-completion.bash
(git:master) +151 macNull:wp-cli mike$ vim utils/dev-build
(git:master) +151 macNull:wp-cli mike$ ls -al
total 80
drwxr-xr-x 21 mike  staff   714 Jul 10 16:14 .
drwxr-xr-x 18 mike  staff   612 Jun  7 13:23 ..
drwxr-xr-x 17 mike  staff   578 Jul 10 16:29 .git
-rw-r--r--  1 mike  staff    67 Jul 10 16:14 .gitattributes
-rw-r--r--  1 mike  staff    49 Jul 10 16:14 .gitignore
-rw-r--r--  1 mike  staff  1669 Jun 18 12:43 .mailmap
-rw-r--r--  1 mike  staff   294 Jul 10 16:14 .travis.yml
-rw-r--r--  1 mike  staff  1567 Jul 10 16:14 CONTRIBUTING.md
-rw-r--r--  1 mike  staff  1440 May  3 08:50 LICENSE.txt
-rw-r--r--  1 mike  staff  1477 Jun 18 12:43 README.md
drwxr-xr-x  4 mike  staff   136 Jun 18 12:43 bin
-rw-r--r--  1 mike  staff   503 Jul 10 16:14 composer.json
drwxr-xr-x 26 mike  staff   884 Jul 10 16:14 features
drwxr-xr-x 93 mike  staff  3162 Jul 10 16:14 man-src
drwxr-xr-x 14 mike  staff   476 Jul 10 16:14 php
-rw-r--r--  1 mike  staff   253 May  3 08:50 phpunit.xml.dist
drwxr-xr-x 19 mike  staff   646 Jul 10 16:14 templates
drwxr-xr-x  5 mike  staff   170 Jun 18 12:43 tests
drwxr-xr-x  7 mike  staff   238 Jul 10 16:29 utils
drwxr-xr-x 10 mike  staff   340 May 24 17:54 vendor
-rw-r--r--  1 mike  staff  3671 May  2 17:26 wp-cli-backup.diff
(git:master) +151 macNull:wp-cli mike$
```

*Why would I use the CLI?*

*Efficiency!*

Get things done *faster.*

# *Copying a WordPress install in **SFTP**?*



~5 *Minutes*+

# *Copying a WordPress install in **SSH**?*

~10 *Seconds*

***What else can I do?***

*Deploy* your site.

On-server file *editing*.

Plugin and theme  
*installation* or *updates*.

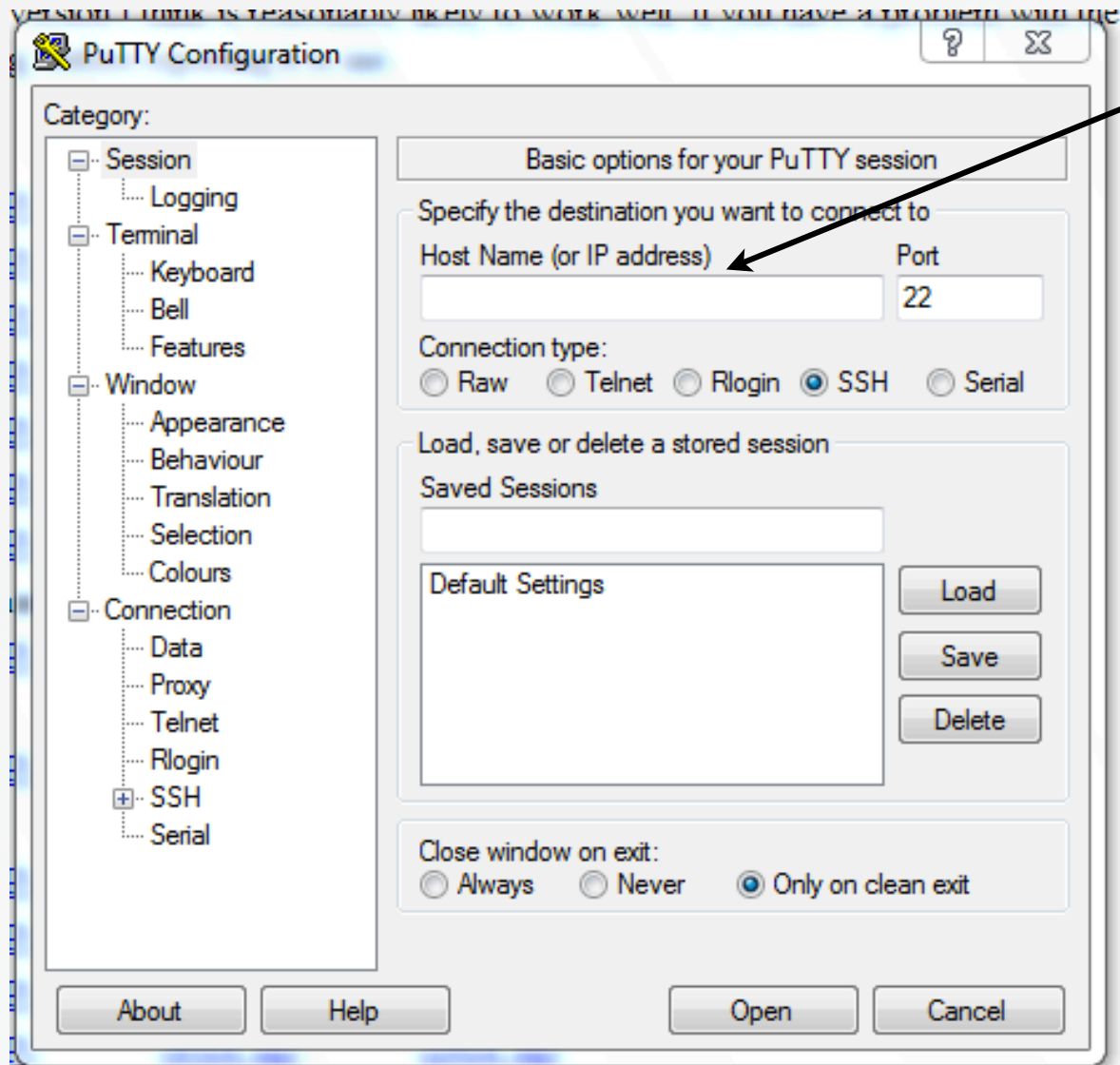
# *Commands and Arguments*

```
$ cmd <required arg> [optional arg]
```



# *Windows Instructions:*

- Install Putty: <http://bit.ly/y99vUd>



# *Mac Instructions:*

Open Terminal, then:

```
$ ssh [user@]<your_host_address>
```

What are some basic  
*commands?*

# *List files*

```
$ ls [-a] [location]
```

**-a** for all files, including hidden

# *Change directory*

```
$ cd <location>
```

Use ~ for home.

.. / to go up a directory.

# Copy files

```
$ cp [-r] <source> <dest>
```

**-r** copies recursively.

# *Remove files*

```
$ rm [-r] <location>
```

**-r** removes recursively.



# *Move files or directories*

```
$ mv <source> <dest>
```

# *Download files*

```
$ wget <http://somesite/that.zip>
```

# *Unzip files*

```
$ unzip <location.zip>
```

# WordPress specific CLI operations: *WP-CLI*

# Super-cool *Open Source* tool to manage WordPress

Headed up by  
*Cristi Burcă (scribu)* and  
*Andreas Creten*

Uses *WordPress itself* to  
perform operations

***Automation!***



***What can I do with it?***



**No, *Really.***

# *Update WordPress*

```
$ wp core update
```

# *Install a Theme*

```
$ wp theme install <slug>
```

# *Change Theme*

```
$ wp theme activate <slug>
```

# *Backup your Database*

```
$ wp db export [filename]
```

# *Update Plugins*

```
$ wp plugin update-all
```



# *Update Themes*

```
$ wp theme update-all
```

# What do I need to run it?

- SSH access to your WordPress install's directory
- PHP 5.3+
- WordPress 3.3+
- Enough RAM for shell processes to run WordPress
- Easiest on Linux & MacOS

*Okay.* Got that covered.  
How can I get this  
*Awesomeness?*

# *Install* WP-CLI

Full Instructions at <http://wp-cli.org>

In short, from the root of your user:

```
curl http://wp-cli.org/installer.sh | bash
```

*If you're local and have sudo:*

```
sudo utils/dev-build
```

***Otherwise, add an alias  
(.bashrc/.bash\_profile)***

```
alias wp='/home/user/wp-cli/src/bin/wp';
```

# *In ~/.bash\_profile:*

```
if [ -f ~/.bashrc ]; then  
    source ~/.bashrc  
fi
```

([http://www.joshstaiger.org/archives/2005/07/bash\\_profile\\_vs.html](http://www.joshstaiger.org/archives/2005/07/bash_profile_vs.html))

***You've got it installed?***

**Let's dig deeper.**



***WP-CLI is extensible.***

# *Add your own **directly***

`wp-cli/php/commands/community/cmd_name.php`

*Or, define in your **plugins**.*

```
if ( defined('WP_CLI') && WP_CLI ) {  
    include( PLUGIN_DIR . '/lib/wp-cli.php' );  
}
```

# *Sample Backup Plugin:*

<http://getsource.net/2012/10/wp-cli-awesomeness-in-vancouver>

This is just a *start*.

**THIS IS  
A UNIX  
SYSTEM.  
I KNOW  
THIS!**



quickmeme.com

# Resources!

- <http://wp-cli.org>
- <http://files.fosswire.com/2007/08/fwunixref.pdf>
- <http://getsource.net/2012/10/wp-cli-awesomeness-in-vancouver/>
- <http://wp.tutsplus.com/tutorials/using-wp-cli-for-fun-and-profit/>
- <http://halfelf.org/2012/command-line-wp/>
- [http://www.joshstaiger.org/archives/2005/07/bash\\_profile\\_vs.html](http://www.joshstaiger.org/archives/2005/07/bash_profile_vs.html)

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