



**PANTHEON**

# Command Line Basics for Drupal Site Builders

# Hi, I'm Tara

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Some things I enjoy away from the computer:

- Books: [https://is.gd/tara\\_books](https://is.gd/tara_books)
- [MañanaCon](#)
- [Diversity, inclusion & equity in FOSS](#)



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# Who this talk is for

## AGENDA

- 01/ Why command-line tools?
- 02/ Fundamental concepts
- 03/ Files & file permissions
- 04/ Text editors
- 05/ Version control
- 06/ WP-CLI



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What is the command line?



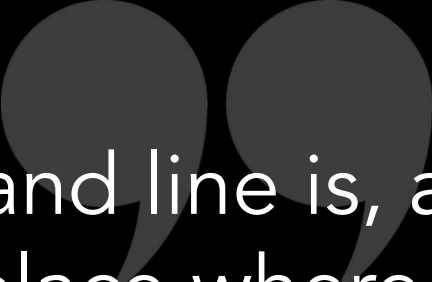
# What is the command line?





```
Taras-MacBook-Pro:~ taraking$ █
```





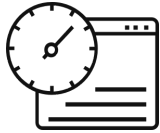
The command line is, at its heart,  
simply a place where you type  
commands to the computer.

**David Baumgold**

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# GUI vs. CLI

# Why learn the command line?



**Speed**



**Efficiency**



**Automation**

**Looking Awesome**

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Be careful.

But:

Don't panic.

THE VERY, VERY, VERY BASICS

# Command-line fundamentals

# How to open the terminal:

Mac OS X:

PANTHEON.IO Applications > Utilities > Terminal

Linux:

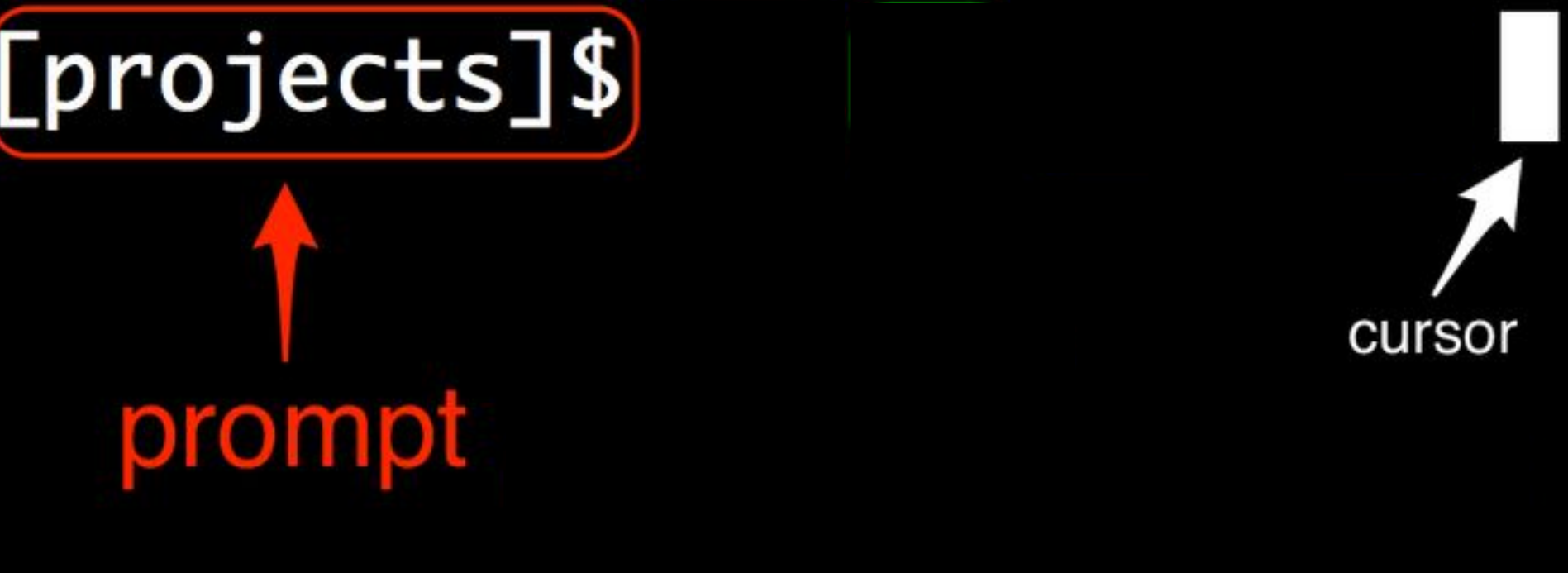
Applications > System > Terminal

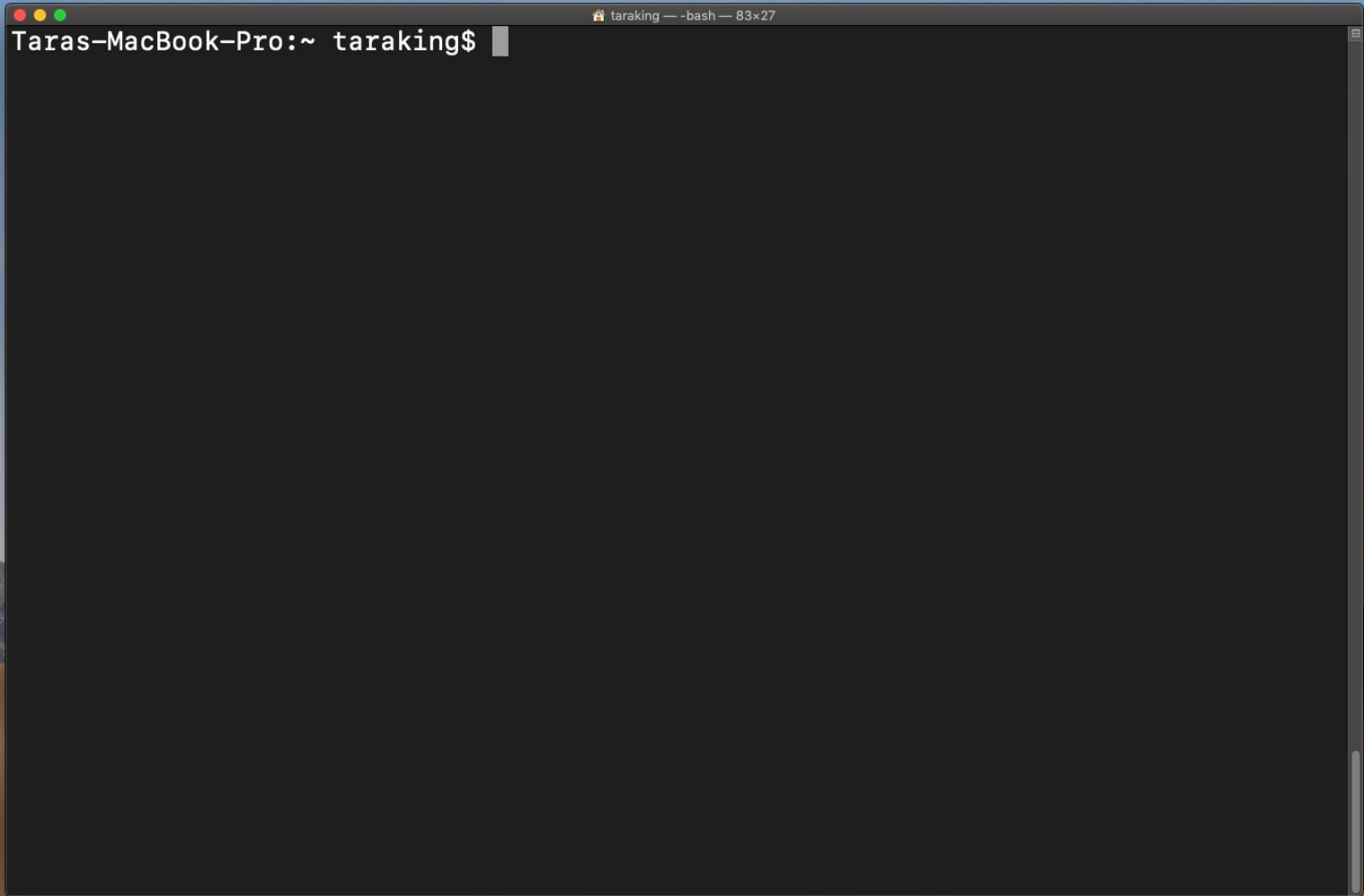


Taras-MacBook-Pro:~ taraking\$ █



# Anatomy of a Command





pwd

PANTHEON.IO

print working directory

```
Taras-MacBook-Pro:wp-cfm taraking$ pwd  
/Users/taraking/mad-king-thomas/wp-content/plugins/wp-cfm
```

ls

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Lists files in a directory

```
Taras-MacBook-Pro:wp-cfm taraking$ ls
README.md      composer.json  includes      readme.txt    vendor
assets         composer.lock  languages     templates     wp-cfm.php
```

ls -al

-a = all

-l = long format

```
Taras-MacBook-Pro:wp-cfm taraking$ ls -al
```

```
total 56
```

```
drwxr-xr-x
```

```
drwxr-xr-x
```

```
-rw-r--r--
```

```
drwxr-xr-x
```

```
-rw-r--r--
```

```
-rw-r--r--
```

```
drwxr-xr-x
```

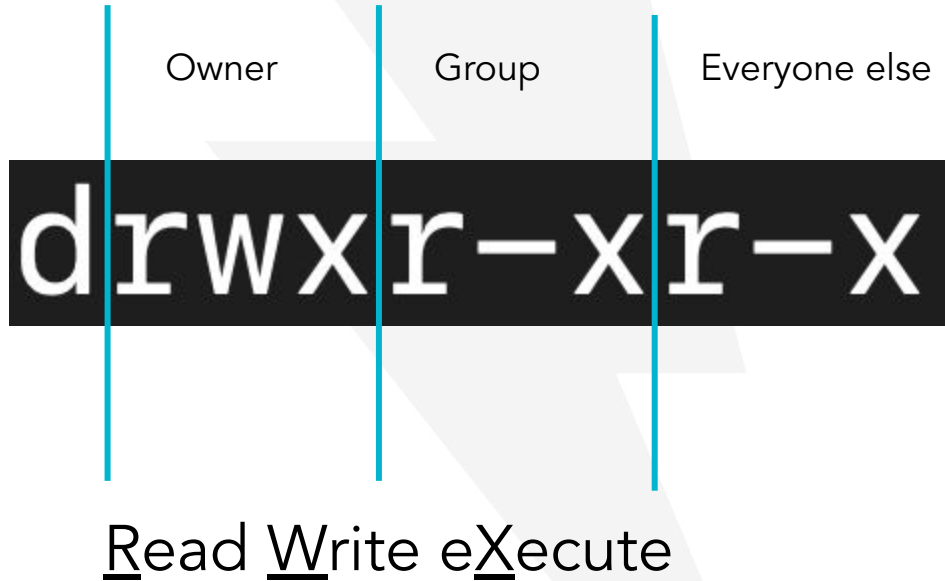
```
drwxr-xr-x
```

```
-rw-r--r--
```

```
drwxr-xr-x
```

```
drwxr-xr-x
```

```
-rw-r--r--
```







. = Current directory

.. = Parent directory

root = /  
home = ~

```
cd modules/contrib
```

change into directory

```
cp wp-config-sample.php
```

```
wp-config.php
```

**copy**

```
rm style.css
```

remove file (or directory)

mkdir child-theme

make directory

## How to learn more

1. Google it.
2. Check the man page (`man ls`).
3. Try `-h`, `--help`, `-v`  
(`php --help`).

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# Text Editors



## Text Editors

- vim
- nano
- emacs
- ....and many more!

The best text editor is the one you use.

nano

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open nano

Hello, world!

WordPress is amazing! █

[ Cancelled ]

**^G** Get Help  
**^X** Exit

**^O** WriteOut  
**^J** Justify

**^R** Read File  
**^W** Where Is

**^Y** Prev Page  
**^V** Next Page

**^K** Cut Text  
**^U** UnCut Text

**^C** Cur Pos  
**^T** To Spell

# Connecting to other computers

# FTP vs. SFTP vs. SSH

File Transfer Protocol  
vs.  
Secure File Transfer Protocol

# Secure File Transfer Protocol vs. Secure Shell



# SSH Keys

<https://pantheon.io/docs/ssh-keys>

# Version Control

MyCoolProject.txt

MyCoolProject2.txt

MyCoolProject3.txt

MyCoolProject3b.txt

MyCoolProject3bTara.txt

MyCoolProject3bTaraSteve.txt

MyCoolProjectFinal.txt

MyCoolProjectFinalFinal.txt

MyCoolProjectFinalFinal2LastChangeI  
Promise.txt

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Git



<https://git-scm.com/about>

# What is Drush?

```
drush user-create tara  
--mail="tara.king@pantheon.io"
```

```
drush user-add-role  
"admin"  
tara.king@pantheon.io
```



```
drush uli
```

```
drush dl claro
```

drush en claro -y

```
drush config-import
```

drush up drupal

```
drush sql-sanitize  
--sanitize-password=no
```

```
wp search-replace  
"://test.example.com"  
"://live.example.com"  
--all-tables --verbose
```

```
wp db size --tables
```



# How to Install Drush

<https://drushcommands.com/>

# Using Drush remotely

# Custom commands

# What comes next?

- Composer!
- Drupal Console!
- And so much more!

<http://bit.ly/DCGLO-CLI>

Credit:  
Kyle Taylor, Sarah German, Jose  
Castaneda



**PANTHEON**

Thank You!

**Tara King**

Developer Outreach Manager,

[Pantheon](#)

[@sparklingrobots](#)



# Resources:

## TUTORIALS:

<https://www.davidbaumgold.com/tutorials/command-line>

<https://www.learnenough.com/command-line-tutorial>

## FIND THE TERMINAL:

<https://blog.teamtreehouse.com/introduction-to-the-mac-os-x-command-line> (Mac OS X)

<https://www.youtube.com/watch?v=rLayF5HMHlg>  
(Ubuntu)

## NAVIGATION:

<https://www.davidbaumgold.com/tutorials/command-line/#moving-around-the-...>

ROOT: [http://www.linfo.org/root\\_directory.html](http://www.linfo.org/root_directory.html)

## HOME:

<https://www.quora.com/What-is-the-difference-between-the-Home-directory-...>

SSH: <http://blog.robertelder.org/what-is-ssh/>

## VERSION CONTROL:

<https://betterexplained.com/articles/a-visual-guide-to-version-control/>

## TEXT EDITOR:

<https://www.howtogeek.com/howto/42980/the-beginners-guide-to-nano-the-li...>

## SSH KEYS:

<https://help.github.com/articles/generating-a-new-ssh-key-and-adding-it-...>

DRUSH: <https://drushcommands.com/>

INSTALL DRUSH: <https://docs.drush.org/en/8.x/install/>