

# wp-cli

*for beginners*

***A command line interface for  
WordPress***

# What is it?

The **wp-cli** tool is a powerful command line interface for WordPress, which allows you to handle almost everything that an administrator would need.

**It's runned by MIT license:**

*"All code in this repository, unless otherwise specified,  
is hereby licensed under the MIT Public License"*

# Introducing Marcos

```
[mark@~/]# whoami
```

Lead Developer of DevOps @ StudioPress;

- \* see <https://www.studiopress.com/hosting/>

PHP Dev, Python Dev, Bash Dev, sysadmin, speaker, translator;

WordPress contributor

- \* see <https://profiles.wordpress.org/marksabbath>

wp-cli contributor

- \* see <https://github.com/wp-cli/db-command/graphs/contributors>

- \* see <https://github.com/wp-cli/search-replace-command/graphs/contributors>

Plugin developer

- \* see <https://github.com/wp-healthcheck/wp-healthcheck/graphs/contributors>

- \* see <https://github.com/claudiosanches/woocommerce-correios/graphs/contributors>

# What could we do with this tool?

- Download, install, update and otherwise **manage** WordPress proper.
- Install, activate and deactivate **themes**;
- Install, activate and deactivate **plugins**;
- Install **languages**;
- Manage WP-Cron events and schedules;
- Manage **attachments**.
- Manage **database**;

# What could we do with this tool?

- Perform basic **database** operations.
- Publish *posts*;
- User management:
  - **Add** users;
  - **Remove** users;
  - **Update** users (lot's of fields);
  - **Load users** from a **csv** file and etc...;

- **UNIX-like environment:**
  - OS X, Linux, FreeBSD;
  - Cygwin (limited support in Windows environment);
- PHP 5.3.2 or later;
- WordPress 3.5.2 or later.

# Installing wp-cli

```
[mark@~/]# curl -s -O https://raw.githubusercontent.com/wp-cli/builds/gh-pages/phar/wp-cli.phar
```

```
[mark@~/]# php wp-cli.phar --info --allow-root
```

```
OS: Linux 4.15.13-x86_64-linode106 #1 SMP Tue Mar 27 14:42:14 UTC 2018 x86_64
```

```
Shell: /bin/bash
```

```
PHP binary: /usr/bin/php7.0
```

```
PHP version: 7.0.27-1+ubuntu14.04.1+deb.sury.org+1
```

```
php.ini used: /etc/php/7.0/cli/php.ini
```

```
WP-CLI version: 1.5.1
```

```
[mark@~/]# chmod +x wp-cli.phar
```

```
[mark@~/]# sudo mv wp-cli.phar /usr/local/bin/wp
```

OR if you're in ubuntu (thanks to @tiagoscd):

```
[mark@~/]# sudo add-apt-repository ppa:tiagohillebrandt/wp-cli
```

```
[mark@~/]# sudo apt-get update
```

```
[mark@~/]# sudo apt-get install wp-cli -y
```

# Install WordPress

```
[mark@/var/www/marksabbath.net]# wp core download
```

```
Downloading WordPress 4.9.5 (en_US)...
```

```
md5 hash verified: f009061b9d24854bfdc999c7fb7579
```

```
Success: WordPress downloaded
```

```
[mark@/var/www/marksabbath.net]# wp core config --dbname=maksabbathnet --dbuser=maksabbathnet  
--dbpass=123abc --dbhost=localhost
```

```
Success: Generated wp-config.php file.
```

```
[mark@/var/www/marksabbath.net]# wp core install --url=maksabbath.net --title=maksabbath.net  
--admin_user=admin --admin_email=maksabbath@gmail.com --admin_password=123qaz
```

```
Success: WordPress installed successfully.
```

```
[mark@/var/www/marksabbath.net]# wp core update --version=4.2.1 --force
```

```
Updating to version 4.2.1 (en_US)...
```

```
Downloading update from https://wordpress.org/wordpress-4.2.1.zip...
```

```
Unpacking the update...
```

```
Success: WordPress updated successfully.
```

```
[mark@/var/www/marksabbath.net]# wp core update-db
```

```
Success: WordPress database upgraded successfully.
```



# Install themes

```
[mark@/var/www/marksabbath.net]# wp theme search glades
```

```
Success: Showing 1 of 1 themes.
```

```
+-----+-----+-----+  
| name   | slug   | rating |  
+-----+-----+-----+  
| Glades | glades | 60      |  
+-----+-----+-----+
```

```
[mark@/var/www/marksabbath.net]# wp theme install glades
```

```
Installing Glades (1.0.7)
```

```
Downloading install package from https://downloads.wordpress.org/theme/glades.1.0.7.zip...
```

```
Unpacking the package...
```

```
Installing the theme...
```

```
Theme installed successfully.
```

```
[mark@/var/www/marksabbath.net]# wp theme activate glades
```

```
Success: Switched to 'Glades' theme.
```

```
You can also use wp theme search glades --activate
```

# Activate themes

```
[mark@/var/www/marksabbath.net]# wp theme list
```

name	status	update	version
glades	inactive	none	1.0.7
twentyfifteen	active	none	1.3
twentyfourteen	inactive	none	1.5
twentythirteen	inactive	none	1.6

```
[mark@/var/www/marksabbath.net]# wp theme activate glades
```

**Success:** Switched to 'Glades' theme.

```
[mark@/var/www/marksabbath.net]# wp theme status glades
```

Theme glades details:

Name: Glades

Status: **Active**

Version: 1.1.3

Author: ThemeZee

# Delete themes

```
[mark@/var/www/marksabbath.net]# wp theme delete glades
```

```
Warning: Can't delete the currently active theme: glades
```

```
[mark@/var/www/marksabbath.net]# wp theme activate twentyfifteen
```

```
Success: Switched to 'Twenty Fifteen' theme.
```

```
[mark@/var/www/marksabbath.net]# wp theme delete glades
```

```
Success: Deleted 'glades' theme.
```

```
[mark@/var/www/marksabbath.net]# wp theme list
```

name	status	update	version
twentyfifteen	active	none	1.3
twentyfourteen	inactive	none	1.5
twentythirteen	inactive	none	1.6

# Manage plugins

```
[mark@/var/www/marksabbath.net]# wp plugin list
```

name	status	update	version
akismet	inactive	available	3.1.2
genesis-simple-customizations	inactive	none	1.2
google-analytics-for-wordpress	inactive	available	5.4.5
nextgen-gallery	inactive	available	2.1.2
w3-total-cache	active	none	0.9.4.1
wp-genesis-box	active	none	0.2.8
wp-super-cache	inactive	available	1.4.2
wordpress-seo	active	none	2.3.4

# Manage plugins

```
[mark@]# wp plugin search seo --fields=name,slug,rating,tested,requires --per-page=5
Success: Showing 5 of 1670 plugins.
```

name	slug	rating	tested	requires
SEO	seo-wizard	68	4.2.4	3.8
SEO Ultimate	seo-ultimate	78	4.2.4	3.9
WordPress SEO Comments Plugin	blog-comments-seo	86	4.1.7	3.8
SEO by SQUIRRLY	squirrly-seo	82	4.3	3.5
SEO Plugin LiveOptim	liveoptim	94	3.7.10	3.4

# Install plugins

```
[mark@/var/www/marksabbath.net]# wp plugin install wordpress-seo
Installing Yoast SEO (2.3.4)
Using cached file '/root/.wp-cli/cache/plugin/wordpress-seo-2.3.4.zip'...
Downloading install package from
https://downloads.wordpress.org/plugin/wordpress-seo.2.3.4.zip...
Unpacking the package...
Installing the plugin...
Plugin installed successfully.
[mark@/var/www/marksabbath.net]# wp plugin activate wordpress-seo
Success: Plugin 'wordpress-seo' activated.
```

You can also use the install combined with --activate:

```
[mark@/var/www/marksabbath.net]# wp plugin install wordpress-seo --activate
```

# Install, activate, deactivate, delete and some tricks :)

```
[mark@/var/www/marksabbath.net]# wp plugin update akismet
```

```
Using cached file '/root/.wp-cli/cache/plugin/akismet-3.1.3.zip'...
```

```
Success: Updated 1/1 plugins.
```

```
Downloading update from
```

```
https://downloads.wordpress.org/plugin/akismet.3.1.3.zip...
```

```
Unpacking the update...
```

```
Installing the latest version...
```

```
Removing the old version of the plugin...
```

```
Plugin updated successfully.
```

```
[root@/var/www/marksabbath.net]# wp plugin update --all
```

```
Using cached file '/root/.wp-cli/cache/plugin/wp-super-cache-1.4.4.zip'...
```

```
Success: Updated 3/3 plugins.
```

# Install, activate, deactivate, delete and some tricks :)

```
[mark@/var/www/marksabbath.net]# wp plugin list --update=available
```

name	status	update	version
google-analytics-for-wordpress	inactive	available	5.4.5

```
[root@/var/www/marksabbath.net]# wp plugin list --fields=name,version
```

name	version
genesis-connect-edd	1.3.0
genesis-connect-woocommerce	0.9.8



# Install language packs

```
[mark@/var/www/marksabbath.net]# wp core language list
```

```
--fields=language,status
```

```
+-----+-----+
| language | status |
+-----+-----+
| en_US    | active |
| pt_BR    | uninstalled |
+-----+-----+
```

```
[root@/var/www/marksabbath.net]# wp core language install pt_BR --activate
```

```
Success: Language installed.
```

```
Success: Language activated.
```

# Manage cron tasks

```
[mark@/var/www/marksabbath.net]# wp cron event list
```

hook	next_run_gmt	next_run_relative	recurrence
wp_version_check	2015-08-20 05:58:31	now	12 horas
wp_update_plugins	2015-08-20 05:58:31	now	12 horas
wp_update_themes	2015-08-20 05:58:31	now	12 horas
wp_maybe_auto_update	2015-08-20 19:00:00	now	12 horas

```
[mark@/var/www/marksabbath.net]# wp cron event schedule cron_test now hourly
```

**Success:** Scheduled event with hook 'cron\_test' for 2015-08-27 18:53:59 GMT.

# Manage cron tasks

```
[mark@/var/www/marksabbath.net]# wp cron event list
```

hook	next_run_gmt	next_run_relative	recurrence
wp_version_check	2015-08-20 05:58:31	now	12 horas
wp_update_plugins	2015-08-20 05:58:31	now	12 horas
wp_update_themes	2015-08-20 05:58:31	now	12 horas
wp_maybe_auto_update	2015-08-20 19:00:00	now	12 horas
cron_test	2015-08-27 18:53:59	now	1 hora

```
[mark@/var/www/marksabbath.net]# wp cron event delete cron_test
```

**Success:** Deleted the cron event 'cron\_test'

# Manage media

```
[mark@/var/www/marksabbath.net/wp-content/uploads/2015/08]# ll
total 40K
drwxr-xr-x 2 www-data www-data 4.0K Aug 27 19:10 .
drwxr-xr-x 3 root      root      4.0K Aug 20 05:58 ..
-rw-r--r-- 1 root      root      32K Aug 27 19:08 Era-Sol-Que-me-Faltava1.jpg
[mark@/var/www/marksabbath.net]# wp media import Era-Sol-Que-me-Faltava.jpg
Success: Imported file Era-Sol-Que-me-Faltava.jpg as attachment ID 3.
```

To import all the files under the wp-content/uploads directory:

```
find /var/www/marksabbath.net/wp-content/uploads/ -type f -exec file {} \; |
grep -o -P '^.+: \w+ image' | cut -d: -f1 | xargs -n1 wp media import
```

# Manage media

```
[mark@/var/www/marksabbath.net/wp-content/uploads/2015/08]# ls -la
```

```
-rw-r--r-- 1 root      root      32K Aug 27 19:08 Era-Sol-Que-me-Faltava1.jpg
```

```
[mark@/var/www/marksabbath.net]# wp media regenerate
```

```
Do you really want to regenerate all images? [y/n] y
```

```
Found 1 image to regenerate.
```

```
Regenerated thumbnails for "" (ID 3).
```

```
Success: Finished regenerating the image.
```

```
[mark@/var/www/marksabbath.net/wp-content/uploads/2015/08]# ls -la
```

```
drwxr-xr-x 2 www-data www-data 4.0K Aug 27 19:10 .
```

```
drwxr-xr-x 3 root      root      4.0K Aug 20 05:58 ..
```

```
-rw-r--r-- 1 root      root      11K Aug 27 19:10 Era-Sol-Que-me-Faltava1-150x150.jpg
```

```
-rw-r--r-- 1 root      root      28K Aug 27 19:10 Era-Sol-Que-me-Faltava1-300x300.jpg
```

```
-rw-r--r-- 1 root      root      32K Aug 27 19:08 Era-Sol-Que-me-Faltava1.jpg
```

# Database manipulation

```
[mark@/var/www/marksabbath.net]# wp db cli
```

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

```
Your MySQL connection id is 2703
```

```
Server version: 5.5.41-0ubuntu0.14.04.1 (Ubuntu)
```

```
Copyright (c) 2000, 2014, Oracle and/or its affiliates. All rights reserved.
```

```
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective owners.
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
mysql> SELECT * FROM wp_options WHERE option_name = "siteurl";
```

# Database manipulation

```
[mark@/var/www/marksabbath.net]# wp db optimize
```

```
marksabbathnet.wp_options
```

```
note      : Table does not support optimize, doing recreate + analyze instead
```

```
status    : OK
```

```
marksabbathnet.wp_posts
```

```
note      : Table does not support optimize, doing recreate + analyze instead
```

```
status    : OK
```

```
marksabbathnet.wp_users
```

```
note      : Table does not support optimize, doing recreate + analyze instead
```

```
status    : OK
```

```
Success: Database optimized.
```

```
(same as mysqlcheck)
```

# Database manipulation

```
[mark@/var/www/marksabbath.net]# wp db export marksabbath.net.sql
```

```
Success: Exported to marksabbath.net.sql
```

```
[mark@/var/www/marksabbath.net]# wp db import marksabbath.net.sql
```

```
Success: Imported from marksabbath.net.sql
```

```
[mark@/var/www/marksabbath.net]# wp db query "SELECT * FROM wp_options WHERE  
option_name = 'siteurl';"
```

option_id	option_name	option_value	autoload
1	siteurl	http://marksabbath.net	yes



# Database manipulation

```
[mark@/var/www/marksabbath.net]# wp db tables
```

```
wp_users
```

```
wp_usermeta
```

```
wp_posts
```

```
wp_comments
```

```
wp_links
```

```
wp_options
```

```
wp_postmeta
```

```
wp_terms
```

```
[mark@/var/www/marksabbath.net]# wp db reset --yes
```

```
Success: Database reset.
```

```
WARNING: This action will drop your database and create it again!
```

# Database manipulation

```
[mark@/var/www/marksabbath.net]# wp search-replace "http://marksabbath.net"
"http://marksabbath.com" --skip-columns=guid
```

Table	Column	Replacements	Type
wp_commentmeta	meta_key	0	SQL
wp_commentmeta	meta_value	0	SQL
wp_comments	comment_author_email	0	SQL
wp_comments	comment_author_url	0	SQL
wp_comments	comment_author_IP	0	SQL
wp_posts	post_content	1	SQL

**Success:** Made 3 replacements.

# Manage WordPress options

```
[mark@/var/www/marksabbath.net]# wp option get db_version  
33055
```

```
[mark@/var/www/marksabbath.net]# wp option get current_theme  
Twenty Fifteen
```

```
[mark@/var/www/marksabbath.net]# wp option get blogname  
marksabbath.net
```

```
[mark@/var/www/marksabbath.net]# wp option get admin_email  
marksabbath@gmail.com
```

```
[mark@/var/www/marksabbath.net]# wp option get siteurl  
http://marksabbath.net
```

```
[mark@/var/www/marksabbath.net]# wp option get WPLANG  
pt_BR
```

# Manage WordPress options

```
[mark@/var/www/marksabbath.net]# wp option get current_theme  
Twenty Fifteen
```

```
[mark@/var/www/marksabbath.net]# wp option get blogname  
marksabbath.net
```

```
[mark@/var/www/marksabbath.net]# wp option get admin_email  
marksabbath@gmail.com
```

```
[mark@/var/www/marksabbath.net]# wp option get siteurl  
http://marksabbath.net
```

```
[mark@/var/www/marksabbath.net]# wp option get WPLANG  
pt_BR
```

```
[mark@/var/www/marksabbath.net]# wp option update siteurl https://marksabbath.net  
Success: Updated 'siteurl' option.
```

# Manage users

```
[mark@/var/www/marksabbath.net]# wp user list
```

ID	user_login	display_name	user_email	user_registered	roles
1	admin	admin	marksabbath@gmail.com	2015-08-27 21:46:18	administrator

```
[mark@/var/www/marksabbath.net]# wp user create newuser marksabbath@gmail.com  
--role=administrator --user_pass=123qaz --display_name="Marcos" --first_name="Marcos"
```

**Success:** Created user 2.

```
[mark@/var/www/marksabbath.net]# wp user list --fields=user_login,display_name,user_email,roles
```

user_login	display_name	user_email	roles
admin	admin	marksabbath@gmail.com	administrator
newuser	Marcos	marcos@schratzenstaller.com.br	administrator

# Manage cache and transients

```
[mark@/var/www/marksabbath.net]# wp cache flush
```

**Success:** The cache was flushed.

```
[mark@/var/www/marksabbath.net]# wp transient delete-expired
```

**Success:** 18 expired transients deleted from the database.

```
[mark@/var/www/marksabbath.net]# wp transient delete-all
```

**Success:** 11 transients deleted from the database.

```
[mark@/var/www/marksabbath.net]# wp rewrite structure '%postname%'
```

**Success:** Rewrite structure set.

```
[mark@/var/www/marksabbath.net]# wp rewrite flush
```

# Manage posts

```
[mark@/var/www/marksabbath.net]# wp post list --fields=ID,post_title,post_status
```

ID	post_title	post_status
62	How to install wp-cli	draft
60	Extra info	draft
24	NetBSD - HP Jornada 720.	draft
5	Curso Webdesign no Senac de União da Vitória	publish
10	Porto União - SC / União da Vitória - PR	publish
11	ath0: unable to attach hardware; HAL status 06	publish
12	Novo NB Novo Problema!	publish
13	C ANSI e C ISO	publish

# Manage posts

```
[mark@/var/www/marksabbath.net]# wp post create --post_type=post --post_title='A brand new post generated by wp-cli' --post_status=draft
```

**Success:** Created post 68.

```
[mark@/var/www/marksabbath.net]# wp post list --fields=ID,post_title,post_status
```

ID	post_title	post_status
68	A brand new post generated by wp-cli	draft

```
[mark@/var/www/marksabbath.net]# wp post edit 68 (should open the default text editor)
```

**Warning:** No change made to post content.

or

**Success:** Updated post 68.

```
[mark@/var/www/marksabbath.net]# wp post delete 68
```

**Success:** Trashed post 68.



# Questions?

**@marksabbath**  
**marksabbath@gmail.com**