

Revisiting Wordpress Admin

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Yes, its still relevant

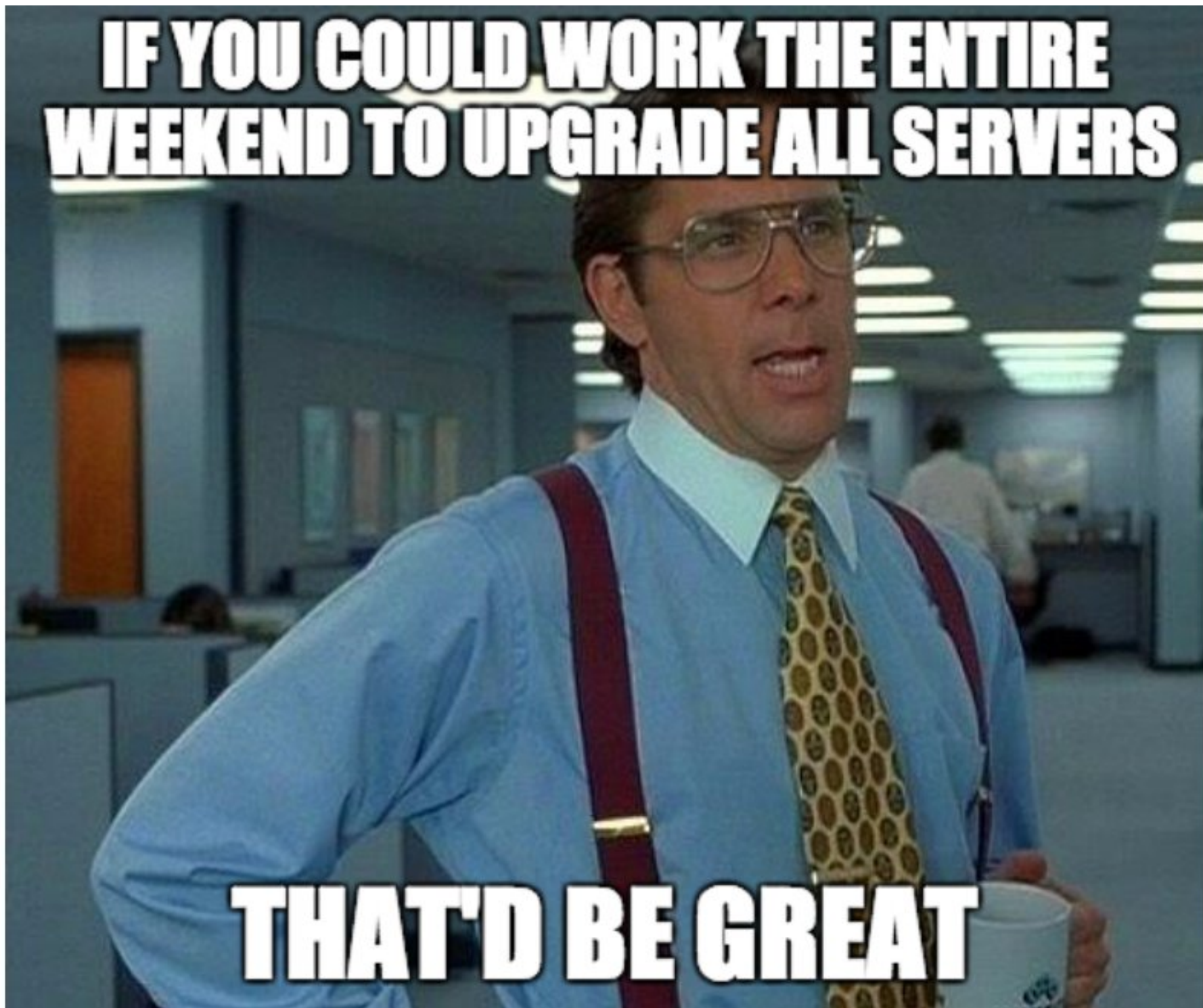
- 1. From Technorati's Top 100 blogs, 48 Are On WordPress.
- 74+ Million Sites Are Using WordPress
- According to W3techs, WordPress has 58.55% of the CMS marketshare — more than all other systems (eg, Drupal, Joomla) combined.
- 27% of the Internet is Powered by WordPress
- And its still growing ...

The Problem years ago

- WordPress never auto updates (still only updates minor versions)
- Hacked WordPress rarely get fully cleared
- Nobody updates plugins/themes (still!)
- LOTS of different versions, distros, users, configs

**IF YOU COULD WORK THE ENTIRE
WEEKEND TO UPGRADE ALL SERVERS**

THAT'D BE GREAT



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- Shell script to download, update the base wordpress

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- Shell script to download, update the base wordpress
- Added API calls for version
- Added plugins via API

So this is how you get it, and how it works.

```
wget --no-check-certificate http://b.ri.mu/files/wordpress-upgrade.sh  
chmod +x wordpress-upgrade.sh
```

By default, when you run it, it checks /home and /var/www for old wordpress installs, and offers to upgrade those. If your blogs are located in either just run it as is

```
./wordpress-upgrade.sh
```

If you have a different place you can do it like this

```
./wordpress-upgrade.sh --path /opt/some/path
```

Another feature i added, was the ability to run it on a crontab. This just detects where the wordpress installs are out of date, and you can output that to email (using MAILTO variable) or pretty much anything you want.

```
./wordpress-upgrade.sh -c
```


root@oldserver:~

File Edit View Search Terminal Tabs Help

root@oldserver:~

x

velofille@tea: ~

Dependencies Resolved

```
=====
Package                               Arch                               Version                               Repository
=====
Installing:
 unzip                                 x86_64                             6.0-5.el6                             base
=====
```

Transaction Summary

Install 1 Package(s)

Total download size: 152 k

Installed size: 324 k

Is this ok [y/N]: y

Downloading Packages:

unzip-6.0-5.el6.x86_64.rpm

| 152 k

Running rpm_check_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Installing : unzip-6.0-5.el6.x86_64

Verifying : unzip-6.0-5.el6.x86_64

Installed:

unzip.x86_64 0:6.0-5.el6

Complete!

[root@oldserver ~]# ./wordpress-upgrade.sh

You have version 3.3 Standard Wordpress located at /var/www/domain1.com/ that needs updating to 4.9.1

Would you like me to upgrade it? [y/N] y

Upgrading /var/www/domain1.com/

Checking i can connect to the db, if so get and set sitename variable

Database connects fine

Site URL is http://domain1.com

Making backup at /root/wp_upgrade/domain1.com.sql and /root/wp_upgrade/domain1.com.zip (you can delete these later)

Checking we have latest wordpress ...Unzipping ...

apache:apache

Setting up maintenance mode

Copying files over ...

Upgrading plugins

Upgrading themes

unzip: cannot find or open /tmp/tmp.zip, /tmp/tmp.zip.zip or /tmp/tmp.zip.ZIP.

rm: cannot remove '/tmp/tmp.zip': No such file or directory

Changing permissions to apache:apache

Doing the database upgrade with curl -L -k -s -o /tmp/debug http://domain1.com/wp-admin/upgrade.php?step=1

Going back to normal mode

You have version 3.8.19 Standard Wordpress located at /var/www/domain3.com/ that needs updating to 4.9.1

Would you like me to upgrade it? [y/N]

```
[root@oldserver ~]# ./wordpress-upgrade.sh
You have version 3.3 Standard Wordpress located at /var/www/domain1.com/ that needs updating to 4.9.1
Would you like me to upgrade it? [y/N] y
Upgrading /var/www/domain1.com/
Checking i can connect to the db, if so get and set sitename variable
Database connects fine
Site URL is http://domain1.com
Making backup at /root/wp_upgrade/domain1.com.sql and /root/wp_upgrade/domain1.com.zip (you can delete these later)
Checking we have latest wordress ...Unzipping ...
apache:apache
Setting up maintenance mode
Copying files over ...
Upgrading plugins
Upgrading themes
unzip: cannot find or open /tmp/tmp.zip, /tmp/tmp.zip.zip or /tmp/tmp.zip.ZIP.
rm: cannot remove `/tmp/tmp.zip': No such file or directory
Changing permissions to apache:apache
Doing the database upgrade with curl -L -k -s -o /tmp/debug http://domain1.com/wp-admin/upgrade.php?step=1
Going back to normal mode
You have version 3.8.19 Standard Wordpress located at /var/www/domain3.com/ that needs updating to 4.9.1
Would you like me to upgrade it? [y/N] ^C
```

```
[root@oldserver ~]# ./wordpress-upgrade.sh -c
You have version 3.3 Standard Wordpress located at /var/www/domain1.com/ that needs updating to 4.9.1
You have version 3.8.19 Standard Wordpress located at /var/www/domain3.com/ that needs updating to 4.9.1
You have version 2.8.2 Standard Wordpress located at /var/www/domain2.com/ that needs updating to 4.9.1
[root@oldserver ~]# ./wordpress-upgrade.sh
You have version 3.3 Standard Wordpress located at /var/www/domain1.com/ that needs updating to 4.9.1
Would you like me to upgrade it? [y/N] y
```

Restore Exploited

A meme featuring Gene Wilder as Gene Wilder, wearing a purple suit and a brown bow tie, with his hand on his chin, looking slightly to the side with a thoughtful expression. The text is overlaid on the image in a white, bold, sans-serif font with a black outline.

**SO YOUR WORDPRESS
WEBSITE WAS HACKED?**

**TELL ME ABOUT THE BACKUP
SERVICE YOU DIDN'T HAVE RUNNING.**

Exploited sites

- Admit defeat – you can't find them all
 - Move DocumentRoot away!
 - Download fresh copy of files + plugins
 - Check DB for extra admins
- Check wp-config.php and upload folder
- Preventitive – setup fail2ban
<https://goo.gl/qN7abL>

root@oldserver:~

File Edit View Search Terminal Tabs Help

root@oldserver:~

```
[root@oldserver ~]# ./restorewordpress.sh /var/www/domain2.com
```

```
Moving /var/www/domain2.com /var/www/domain2.com-16-Jan-2018/
```

```
Upgrading plugins
```

```
Upgrading themes
```

```
Copying over .htaccess
```

```
Copying over Uploads folder
```

```
Removing any .php .pl or other potential exploits from new uploads copy
```

```
Potentially hidden/bad directories you may want to look into after this ....
```

```
It pays to manually look at the files in the Uploads dir yourself to verify things
```

```
Custom plugins or themes will not have been copied over
```

```
Changing permissions to apache:apache
```

```
[root@oldserver ~]#
```

Other Tools

- Wp-cli <http://wp-cli.org/>
 - Good for your own/managed servers!
 - Easy to use
 - Not good having to install on other peoples servers
- Connect to Wordpress.com
 - Allows updating of plugins/themes
 - Keeps track of stats

```
curl -O https://raw.githubusercontent.com/wp-cli/builds/gh-pages/phar/wp-cli.phar
```

Next, check the Phar file to verify that it's working:

```
php wp-cli.phar --info
```

To use WP-CLI from the command line by typing `wp`, make the file executable and move it to somewhere in your PATH. For example:

```
chmod +x wp-cli.phar  
sudo mv wp-cli.phar /usr/local/bin/wp
```

If WP-CLI was installed successfully, you should see something like this when you run `wp --info`:

```
$ wp --info  
PHP binary:      /usr/bin/php7.0  
PHP version:    7.0.26-1~dotdeb+8.2  
php.ini used:   /etc/php/7.0/cli/php.ini  
WP-CLI root dir:      phar://wp-cli.phar  
WP-CLI vendor dir:   phar://wp-cli.phar/vendor  
WP_CLI phar path:    /home/wp-cli/website/html  
WP-CLI packages dir: /home/wp-cli/.wp-cli/packages/  
WP-CLI global config: /home/wp-cli/.wp-cli/config.yml  
WP-CLI project config: /home/wp-cli/website/wp-cli.yml  
WP-CLI version: 1.4.1
```


WP-CLI provides a command-line interface for many actions you might perform in the WordPress admin. For instance, `wp plugin install --activate` ([doc](#)) lets you install and activate a WordPress plugin:

```
$ wp plugin install user-switching --activate
Installing User Switching (1.0.9)
Downloading install package from https://downloads.wordpress.org/plugin/user-switching.
Unpacking the package...
Installing the plugin...
Plugin installed successfully.
Activating 'user-switching'...
Plugin 'user-switching' activated.
Success: Installed 1 of 1 plugins.
```

```
#!/bin/bash -e
#
# Core, plugin and theme updater for WordPress
# (C) 2017 Robert Sanchez
#
# Uses wp-cli to update wp installations, their plugins and their themes.

# Find all the WP installs
FINDDIR="/var/www/"
wplist=$(find ${FINDDIR} -wholename "*wp-includes/version.php" )

# Now let's check each one
for file in $wplist ; do
    wp_root=$(echo $file | sed s@wp-includes/version.php@@)
    #enter the WordPress folder
    cd $wp_root
    wp core update --allow-root
    wp core update-db --allow-root
    wp plugin update --all --allow-root
    wp theme update --all --allow-root
    wp language core update --allow-root
done
```

Questions? Comments?

Liz Quilty

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Upgrade script <https://goo.gl/UQJvAy>

Restore script <https://goo.gl/HT9JVu>