

# Get your Git on

Matt Radford



**This is not a talk about git**

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



# My awesome dev strategy



# My awesome dev strategy

The screenshot shows the WordPress dashboard with the 'Edit Themes' page open. The left sidebar contains navigation menus for 'Posts', 'Media', 'Links', 'Pages', 'Comments', 'Appearance', 'Plugins', 'Users', 'Tools', and 'Settings'. The 'Appearance' menu is expanded, showing 'Themes', 'Widgets', 'Editor', 'Header Image and Color', 'Plugins', 'Users', 'Tools', and 'Settings'. The main content area is titled 'Edit Themes' and shows the 'Stylesheet (style.css)' for the 'WordPress Default' theme. The theme name is 'WordPress Default', the URI is 'http://wordpress.org/', and the author is 'Michael Heilemann'. The description states it is based on the 'Kubrick' theme. The CSS code is displayed in a text area, showing the theme's metadata and the beginning of the 'body' selector. A 'Update File' button is located at the bottom of the text area. On the right side, there is a 'Theme Files' section listing various template files like '404 Template (404.php)', 'Archives (archive.php)', etc., and a 'Styles' section listing 'RTL Stylesheet (rtl.css)' and 'Stylesheet (style.css)'.

Well Old WP — Visit site

New Post

Howdy, admin | Turbo | Log Out

Help

Dashboard

**Edit Themes**

Stylesheet (style.css) Select theme to edit: WordPress Default Select

```
/*
Theme Name: WordPress Default
Theme URI: http://wordpress.org/
Description: The default WordPress theme based on the famous <a
href="http://binarybonsai.com/kubrick/">Kubrick</a>.
Version: 1.6
Author: Michael Heilemann
Author URI: http://binarybonsai.com/
Tags: blue, custom header, fixed width, two columns, widgets

    Kubrick v1.5
    http://binarybonsai.com/kubrick/

This theme was designed and built by Michael Heilemann,
whose blog you will find at http://binarybonsai.com/

The CSS, XHTML and design is released under GPL:
http://www.opensource.org/licenses/gpl-license.php
*/

/* Begin Typography & Colors */
body {
```

**Theme Files**

**Templates**

- 404 Template (404.php)
- Archives (archive.php)
- Archives Page Template (archives.php)
- Comments (comments.php)
- Footer (footer.php)
- Header (header.php)
- Image Attachment Template (image.php)
- Links Page Template (links.php)
- Main Index Template (index.php)
- Page Template (page.php)
- Popup Comments (comments-popup.php)
- Search Results (search.php)
- Sidebar (sidebar.php)
- Single Post (single.php)
- Theme Functions (functions.php)

**Styles**

- RTL Stylesheet (rtl.css)
- Stylesheet (style.css)

Update File

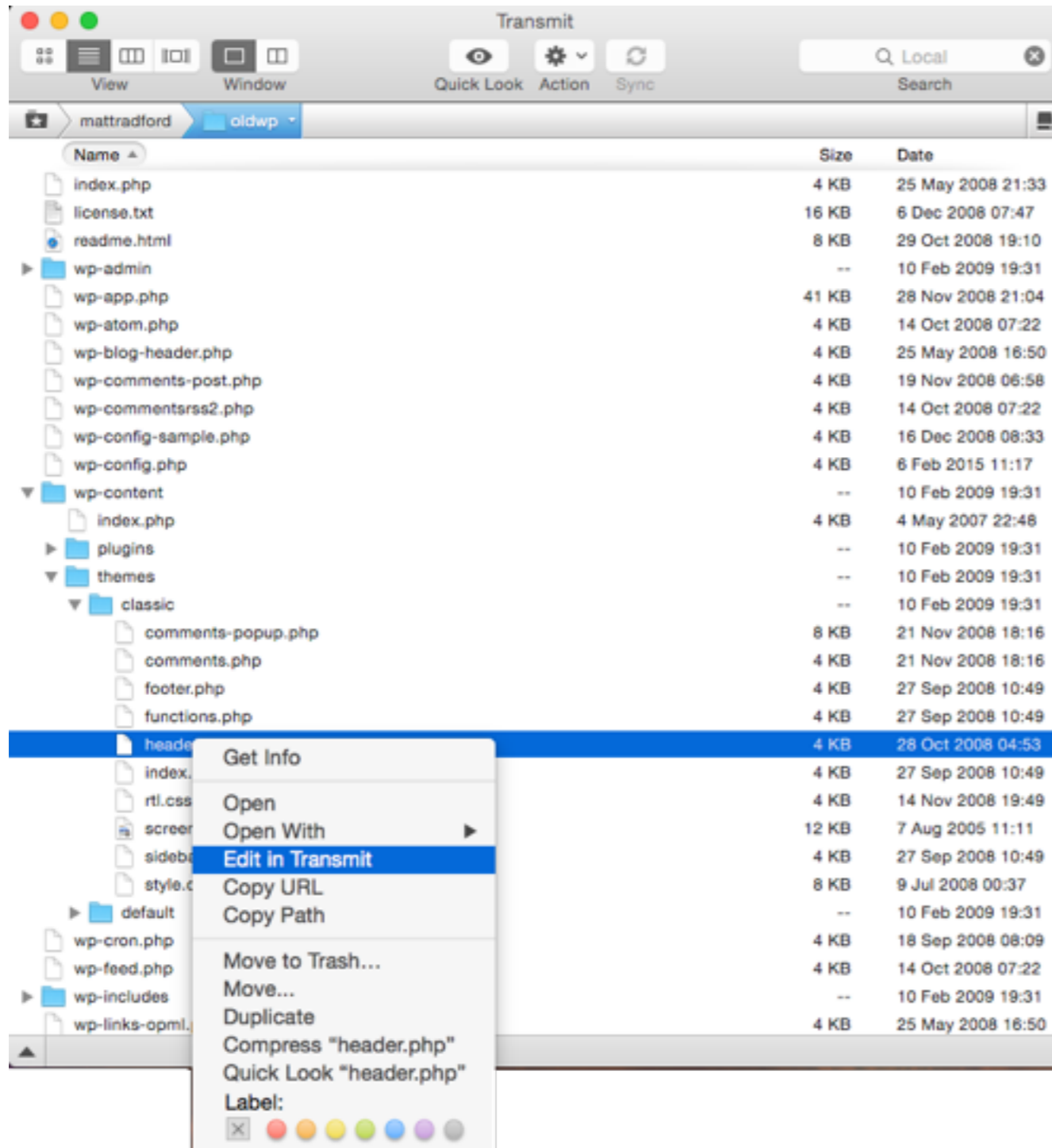
My awesome dev strategy

**FIN**

# My **new** awesome dev strategy



# My **new** awesome dev strategy



**I absolutely never  
ever do this now**

(honest)



My **new new** awesome dev strategy

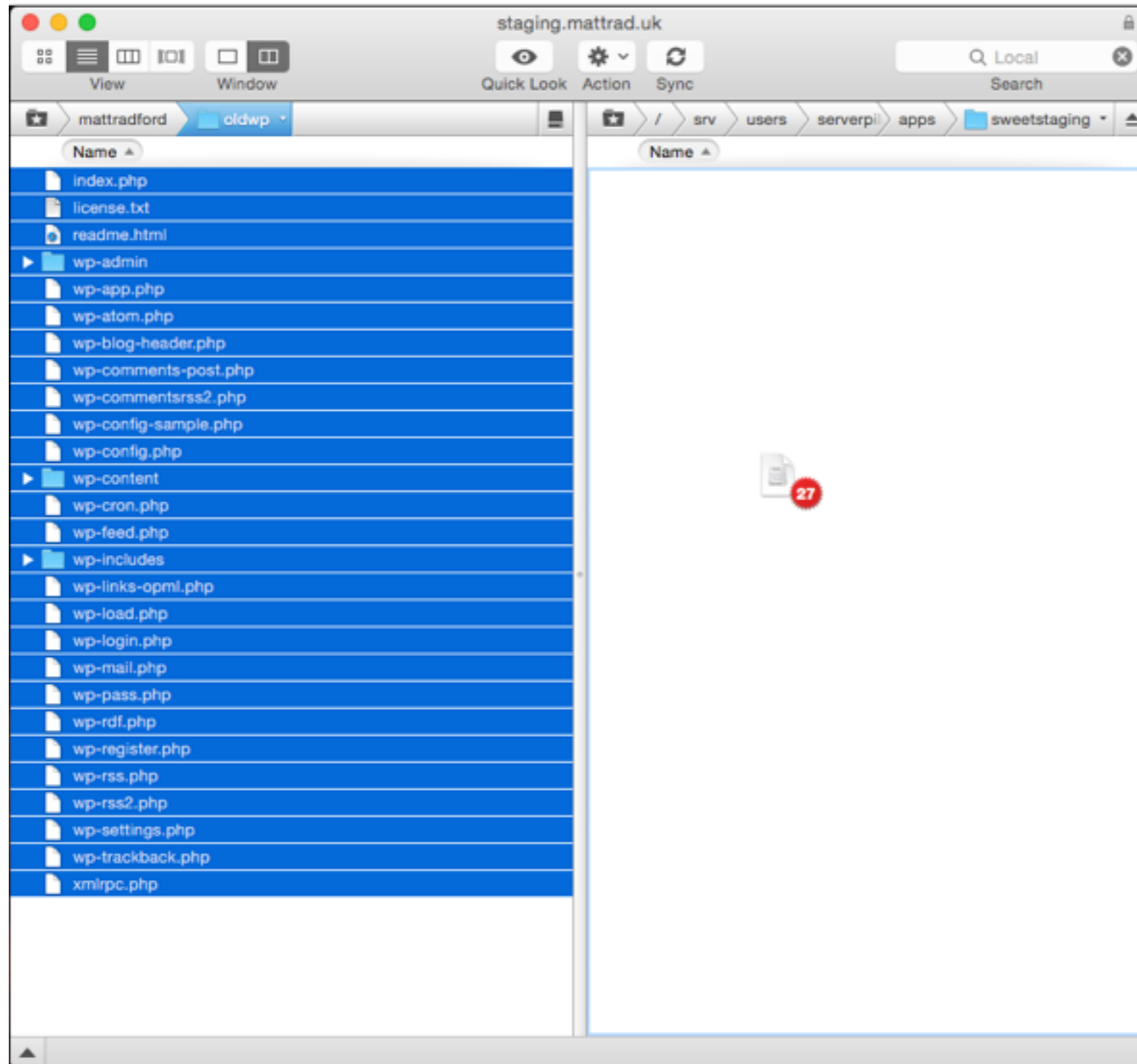


**Local install**



**Server**

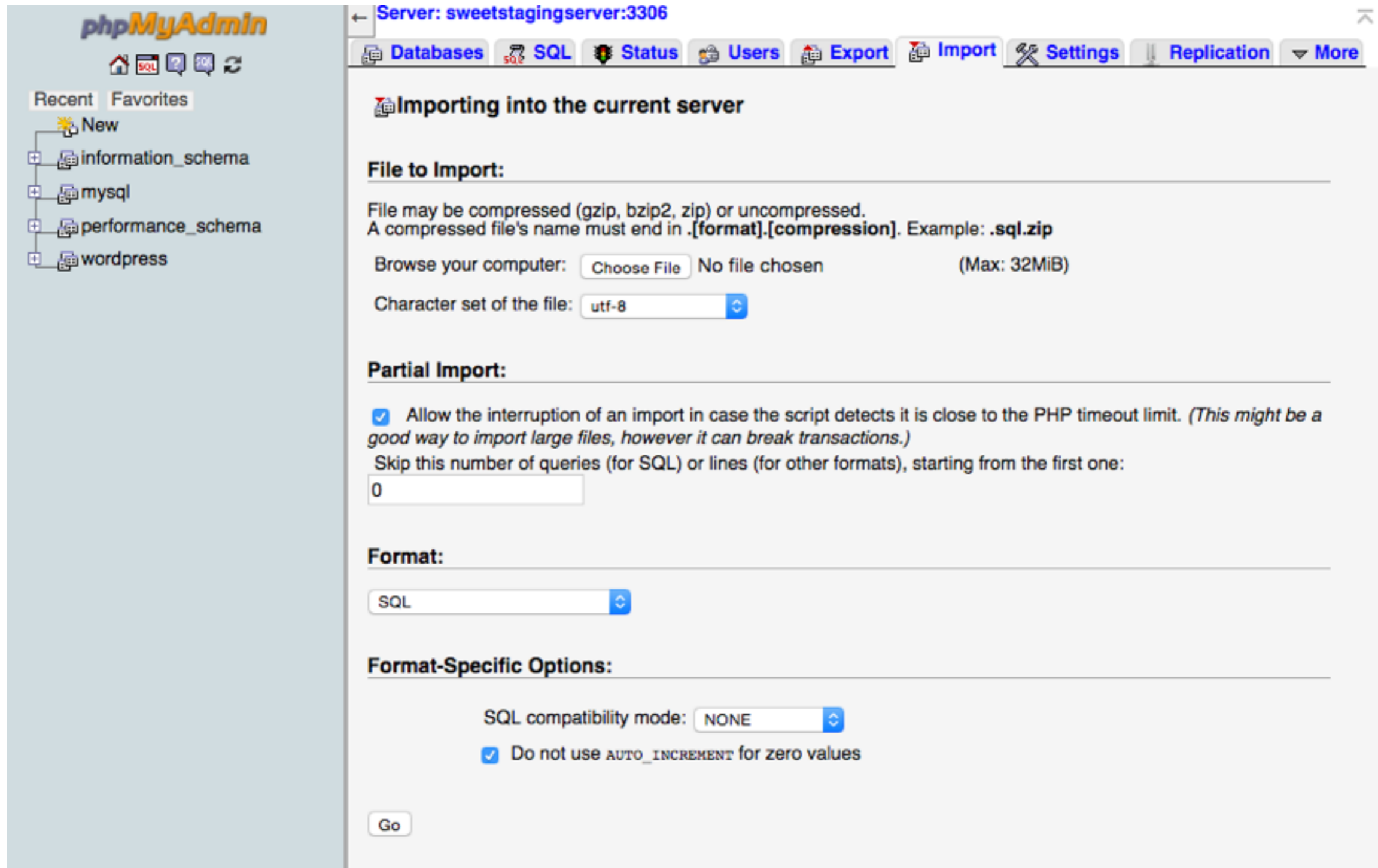
# My **new new** awesome dev strategy



**I absolutely never  
ever do this now**

**(honest)**

# My **new new** awesome dev strategy

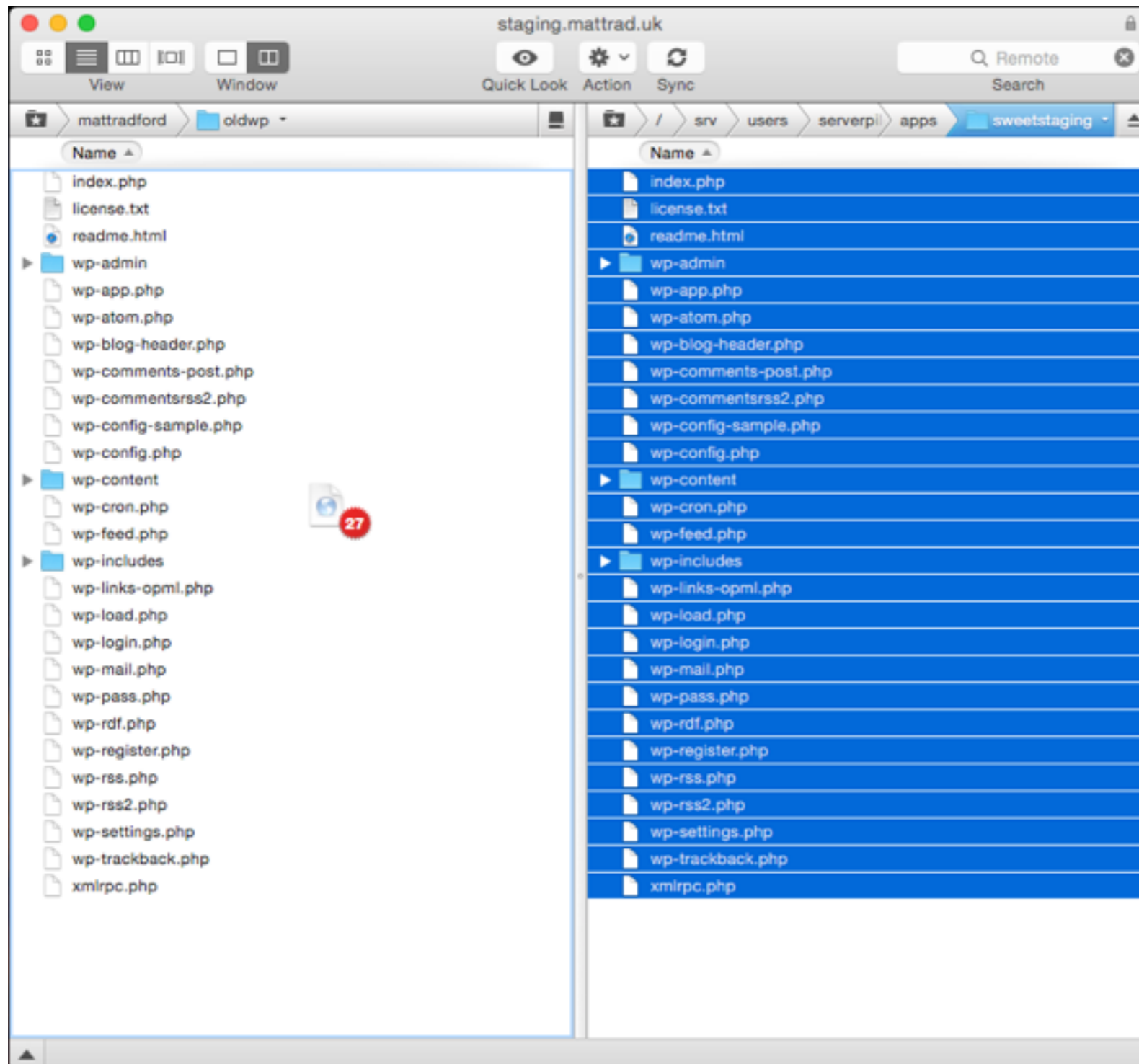


The screenshot shows the phpMyAdmin interface for a server named 'sweetstagingserver:3306'. The left sidebar contains a tree view with 'New' and several databases: 'information\_schema', 'mysql', 'performance\_schema', and 'wordpress'. The main content area is titled 'Importing into the current server' and includes the following sections:

- File to Import:** A section for selecting a file to import. It includes a 'Browse your computer' button with a 'Choose File' input and the text 'No file chosen (Max: 32MiB)'. Below it is a 'Character set of the file' dropdown menu set to 'utf-8'.
- Partial Import:** A section with a checked checkbox 'Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. (This might be a good way to import large files, however it can break transactions.)'. Below this is a text input field for 'Skip this number of queries (for SQL) or lines (for other formats), starting from the first one:' with the value '0'.
- Format:** A dropdown menu set to 'SQL'.
- Format-Specific Options:** A section with a dropdown for 'SQL compatibility mode' set to 'NONE' and a checked checkbox 'Do not use AUTO\_INCREMENT for zero values'.

A 'Go' button is located at the bottom left of the main content area.

# My **new new** awesome dev strategy



**I absolutely never  
ever do this now**

(really)

# My **new new** awesome dev strategy (**gradual ensmartening**)

- SFTP
- Transmit's Sync feature
- “Staging”
- Not calling something “staging” when it was really another folder on the live server...
- Dropbox - local backup and versioning
- Sequel Pro
- WP Migrate DB

# My **new new** awesome dev strategy (**totally minor glitches**)

- I always took **backups** before deploying
- I never had things **fail to FTP properly**, leaving sites in an unknown state
- Databases never **failed to import or corrupted**
- Basically, **nothing** every went wrong





# Our dev strategy

- Needed to both develop at the same time
- Keep the entirety of the WP install in sync
- Easy setup
- Push to staging and live



# Our dev strategy (install)

- Shared DB on a local server
- Bash script
- Composer
  - <http://codelight.eu/using-private-wordpress-repositories-with-composer/>
- Git

# One **install**, one repo

## **Pros**

- It's all there!
- Clone the repo, create a new remote, set up the DB and MAMP
- Everything's in sync
- Pushing to staging means it's a complete copy

## **Cons**

- It's all there!
- Size limits

# One **theme**, one repo

## **Pros**

- Clone base theme repo to create a project-specific theme repo.
- Nice and contained

## **Cons**

- Set up not so easy
- Everything outside of theme?

# One repo, **WP submodule**

## **Pros**

- WP core in a submodule
- Everything else is in /content

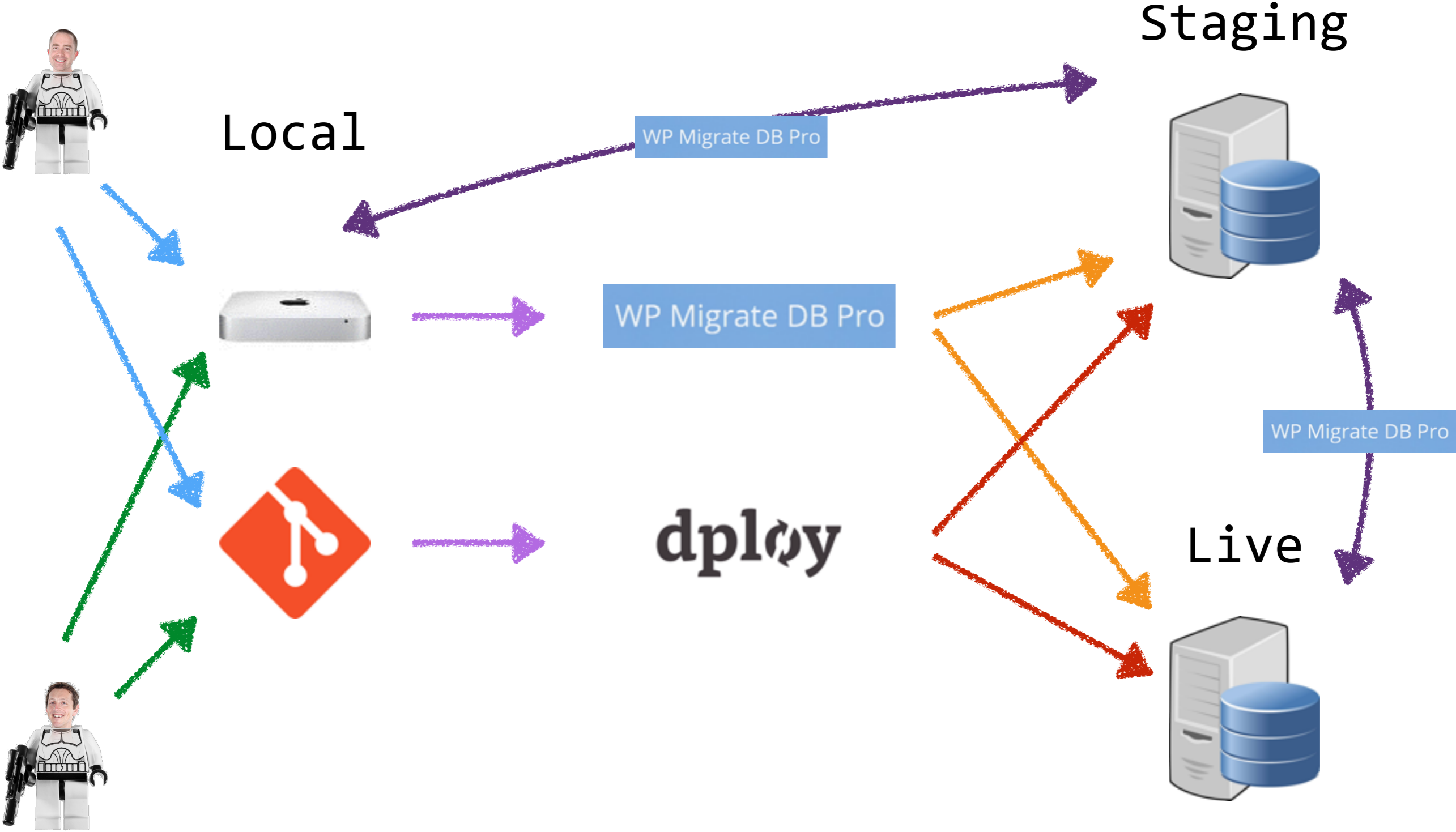
## **Cons**

- Uploads...

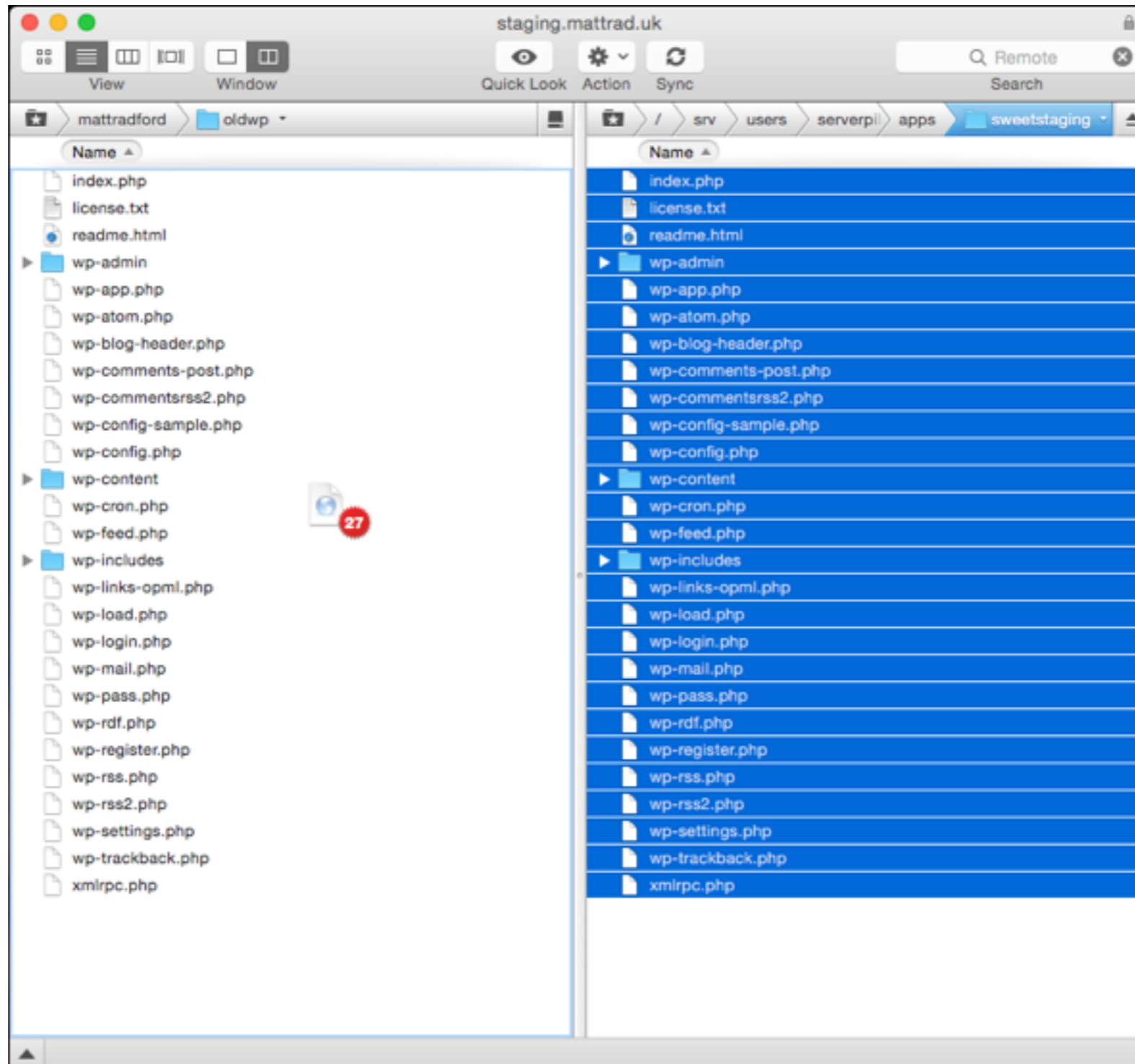
# Our dev strategy (deploy)

- WP DB Migrate Pro
- Scripts
- Deployment tools
- Deployment services

# Our dev strategy



# Not like this



# Our dev strategy



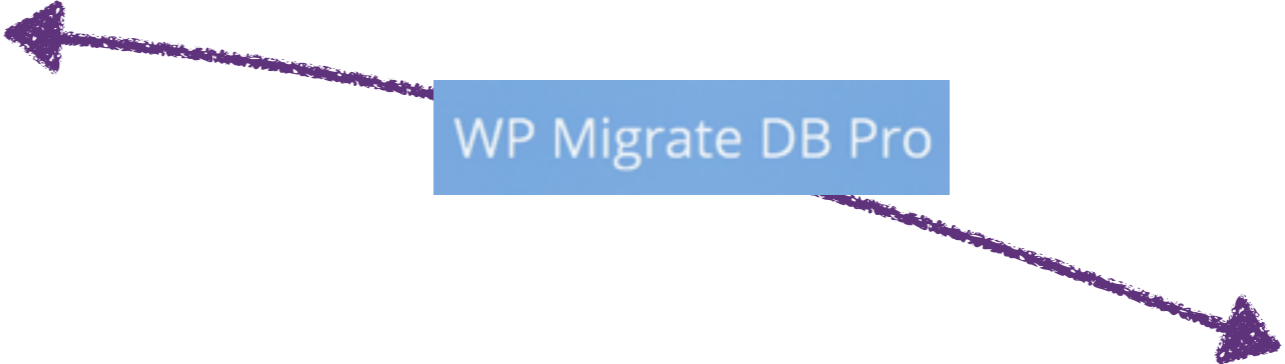
Local



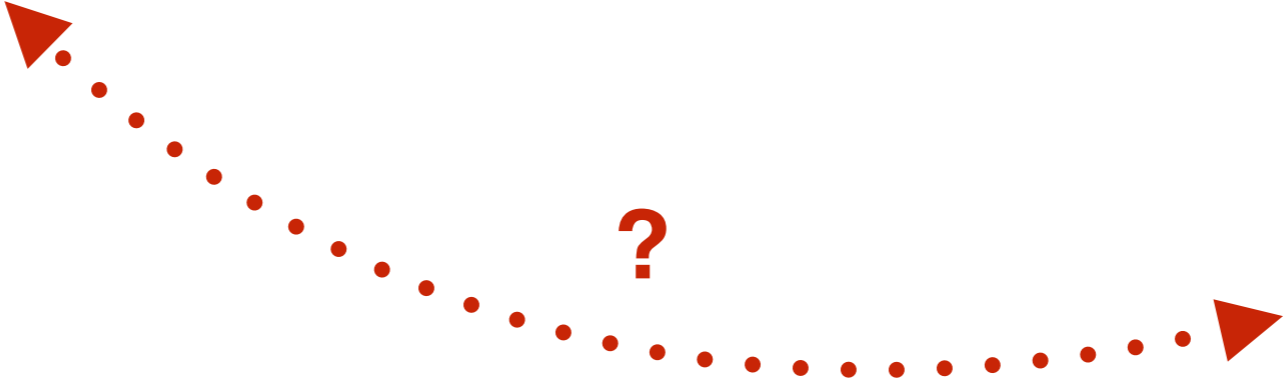
Staging



WP Migrate DB Pro



Live





# WP git plugins

- Revisr
- VersionPress
- Gitium
- Github Updater
- WP Pusher

The logo for Revisr, featuring the word "Revisr" in a white, italicized, sans-serif font centered on a dark purple rectangular background.

*Revisr*

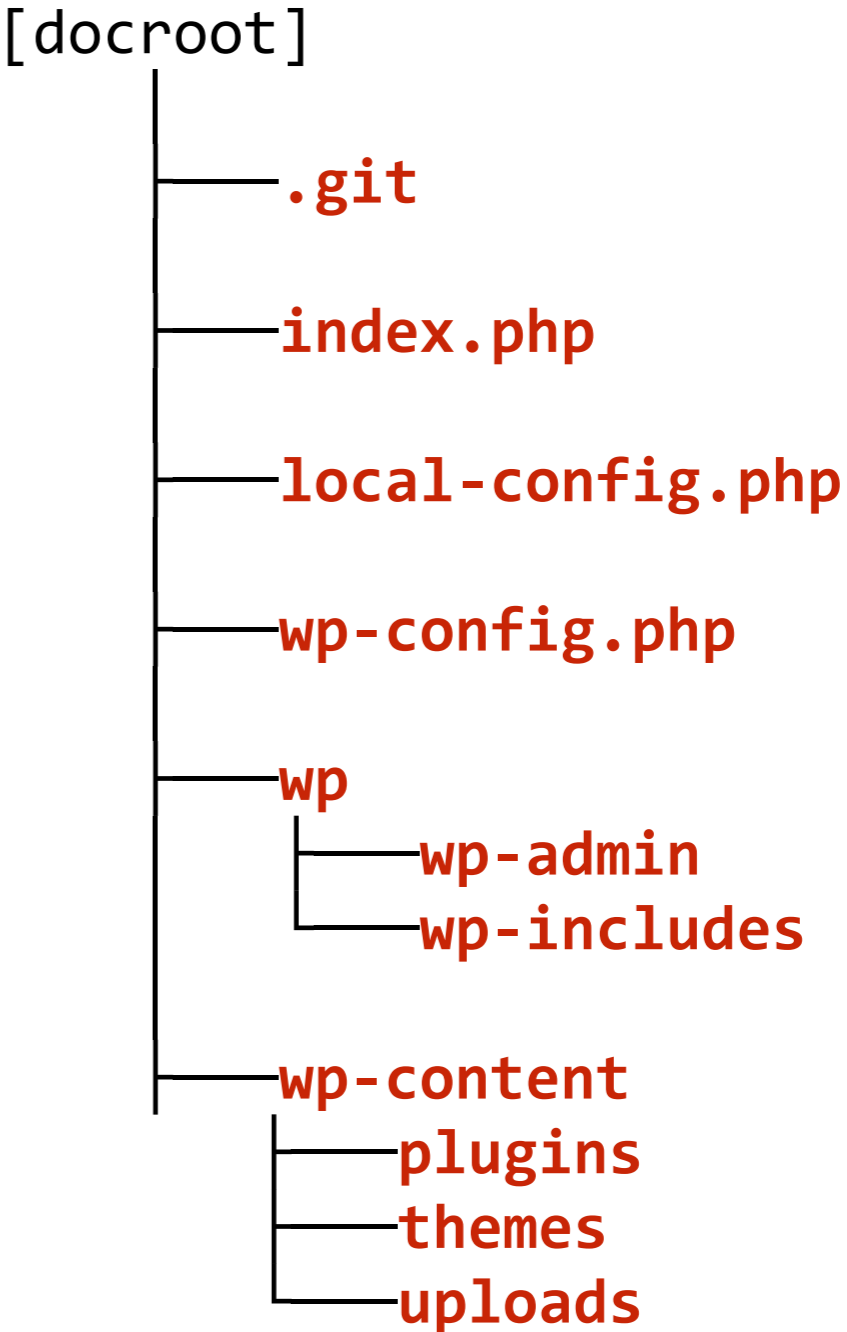
Revisr is a Git and WordPress **database plugin** that allows you to keep track... in version control.

**“...eliminates redundant interfaces in your workflow...”**

**<https://revisr.io>**



- Aimed at developers
- Auto push and pull commits using webhooks with BB, Github and other copies of Revisr - keep local and staging up-to-date
- Supports branches and tags





- Dashboard
- Posts
- Media
- Pages
- Comments
- Appearance
- Plugins
- Users
- Tools
- Settings
- Revisr**
- Dashboard
- Commits
- Branches
- Settings
- Collapse menu

# Revisr - Dashboard

There are currently 2 untracked files on branch master. [Commit](#) your changes to save them.

**Recent Activity**

Your recent activity will show up here.

- Quick Actions**
- + | Save Changes
  - ✕ | Discard Changes
  - 🕒 | Backup Database
  - ▲ | Push Changes
  - ▼ | Pull Changes (1)

**Branches/Tags**

Branches	Tags
master	Checked Out
staging	Checkout

[Manage Branches](#)

About this plugin

- Dashboard
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Screen Options

## New Commit

MyFirstCommit

### Stage Changes

There are 2 untracked files that can be added to this commit on branch master.

Use the boxes below to select the files to include in this commit. Only files in the "Staged Files" section will be included. Double-click files marked as "Modified" to view the changes to the file.

Backup database?

### Staged Files

wp-config.php [Modified]

Unstage Selected

Unstage All

### Unstaged Files

wp-config copy.php [Untracked]

Stage Selected

Stage All

### Publish

Save Draft

Status: Draft [Edit](#)

Visibility: Public [Edit](#)

Publish immediately [Edit](#)

Commit Files

### Add Tag

Tag Name:



# Edit Commit New Commit

Committed files on b

## MyFirstComm

### Committed Files

1 files were included

wp-config.php [Mo

### View Diff

```

commit f5e05530fc400b8957a9169956d896d079aa187d
Author: mattstaging <matt@10degrees.uk>
Date: Fri Feb 6 21:30:04 2015 +0000

MyFirstCommit

diff --git a/wp-config.php b/wp-config.php
index 6121f04..ab93471 100644
--- a/wp-config.php
+++ b/wp-config.php
@@ -1,12 +1,11 @@
<?php
-
-/**
- * The base configurations of the WordPress.
- *
- * This file has the following configurations: MySQL settings, Table Prefix,
- * Secret Keys, WordPress Language, and ABSPATH. You can find more information
- * by visiting {@link http://codex.wordpress.org/Editing_wp-config.php Editing
- * wp-config.php} Codex page. You can get the MySQL settings from your web host.
+ * Secret Keys, and ABSPATH. You can find more information by visiting
+ * {@link http://codex.wordpress.org/Editing_wp-config.php Editing wp-config.php}
+ * Codex page. You can get the MySQL settings from your web host.

```

**Publish**

Status: Published [Edit](#)

Visibility: Public [Edit](#)

Published on: Feb 6, 2015 @ 21:30 [Edit](#)

[Update](#)

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# Revisr - Dashboard

There are currently 1 untracked files on branch master. [Commit](#) your changes to save them.

**Recent Activity**

Committed <a href="#">#f5e0553</a> to the local repository.	1 min ago
Successfully backed up the database.	1 min ago

**Quick Actions**

- [+ | Save Changes](#)
- [x | Discard Changes](#)
- [🕒 | Backup Database](#)
- [▲ | Push Changes \(2\)](#)
- [▼ | Pull Changes \(1\)](#)

**Branches/Tags**

Branches **Tags**

master	Checked Out
staging	Checkout

[Manage Branches](#)

About this plugin



# VersionPress

the Undo button for WordPress, and more

VersionPress is a Git-versioning plugin for WordPress. It versions both files and the **database** enabling things like site-wide reverts, safe updates, easy staging



## Welcome to VersionPress!

Please click the *Activate VersionPress* button below to start tracking the site – note that it will take a few moments, depending on the size of this site. You can then use the VersionPress menu item on the left to access all its features.

### System requirements check:

- ✓ PHP 5.3
- ✓ Execute external commands
- ✓ Git 1.9+ installed
- ✓ Write access on the filesystem
- ✓ db.php hook

⚠ Note: This website is already versioned in Git (the repository is either your custom or has been created by a previous installation of VersionPress). It is not a problem for VersionPress, just be sure that you know what you are doing.

Activate VersionPress

ⓘ You are activating a preview version which is suitable for testing purposes only. If you encounter any issues please contact us at [info@versionpress.net](mailto:info@versionpress.net).

- VersionPress
- Dashboard
- Posts
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## VersionPress



### Welcome!

[Dismiss](#)

Below is the main VersionPress table which will grow as changes are made to this site. You can **Undo** specific changes from the history or **Roll back** the site entirely to a previous state.

Date	Message	
4 seconds ago	Activated VersionPress 1.0-rc1	<a href="#">Undo this</a>
16 minutes ago	Backed up the database with Revisr.	<a href="#">Roll back to this</a>
16 minutes ago	MyFirstCommit	
3 weeks ago	Forcing a commit	
3 weeks ago	Added Hello Dolly back in	
3 weeks ago	Updated ACF5 Pro	
3 weeks ago	Added ACF Pro 5	
3 weeks ago	Deleted Hello Dolly	
3 weeks ago	Backed up the database with Revisr.	
3 weeks ago	Weekly backup - January 19, 2015	
3 weeks ago	Merge branch 'master' of https://bitbucket.org/10degrees/gitgitgit	

# VersionPress



Date	Message	
17 seconds ago	Created post 'test post'	<a href="#">Undo this</a>
24 seconds ago	Edited option 'dismissed_wp_pointers' for user 'matt'	<a href="#">Undo this</a>   <a href="#">Roll back to this</a>
2 minutes ago	Edited option 'vp_show_welcome_panel' for user 'matt'	<a href="#">Undo this</a>   <a href="#">Roll back to this</a>
5 minutes ago	Activated VersionPress 1.0-rc1	<a href="#">Undo this</a>   <a href="#">Roll back to this</a>
21 minutes ago	Backed up the database with Revisr.	<a href="#">Roll back to this</a>
21 minutes ago	MyFirstCommit	
3 weeks ago	Forcing a commit	



Automatic git version control  
and deployment for your  
**plugins and themes** integrated  
into wp-admin.

<https://wordpress.org/plugins/gitium/>

Status **connected to https://mattrad@bitbucket.org/10degrees/gitgitgit.git**

Could not connect to remote repository.

```
fatal: could not read Password for 'https://mattrad@bitbucket.org': Device not configured
```

Following remote branch `origin/master`.

Path	Change
wp-content/plugins/github-updater-develop/.gitignore	untracked
wp-content/plugins/github-updater-develop/CHANGES.md	untracked
wp-content/plugins/github-updater-develop/LICENSE	untracked
wp-content/plugins/github-updater-develop/README.md	untracked
wp-content/plugins/github-updater-develop/assets/screenshot-1.png	untracked
wp-content/plugins/github-updater-develop/classes/GitHub_Updater/Autoloader.php	untracked
wp-content/plugins/github-updater-develop/classes/GitHub_Updater/Base.php	untracked
wp-content/plugins/github-updater-develop/classes/GitHub_Updater/Bitbucket_API.php	untracked

# github-updater

- One repo: one theme or plugin
- Open Source
- You're in safe hands



<https://github.com/afragen/github-updater>

# github-updater

Template Version: 1.0.0

GitHub Theme URI: <https://github.com/afragen/test-child>

GitHub Branch: master

# Are you brave enough?

- `add_filter( 'auto_update_plugin', '__return_true' );`
- `add_filter( 'auto_update_theme', '__return_true' );`
- [http://codex.wordpress.org/  
Configuring\\_Automatic\\_Background\\_Updates](http://codex.wordpress.org/Configuring_Automatic_Background_Updates)



# Similar plugins

- WordPress GitHub Plugin Updater
  - <https://github.com/radishconcepts/WordPress-GitHub-Plugin-Updater>
- Automatic Theme & Plugin Updater
  - <https://github.com/jeremyclark13/automatic-theme-plugin-update>
- <http://code.tutsplus.com/tutorials/distributing-your-plugins-in-github-with-automatic-updates--wp-34817>



“Pain-free deployment of WordPress themes and plugins directly from GitHub”

(and Bitbucket)

“If it can run WordPress, it can run WP Pusher”

hooks into WordPress and uses core functionality to fetch your themes and plugins from GitHub

<https://wppusher.com>



# WP Pusher

## Install New Plugin

Plugin repository

*Example: petersuhm/akismet*

Repository branch (Pro)

*Defaults to master if left blank*

Repository host

Repository is private

Install plugin



# WP Pusher

## Manage WP Pusher Themes

Awesome Theme

Push to deploy

Save changes

Update theme

Some Cool Theme

Push to deploy

Save changes

Update theme

Copyright © 2015 [WP Pusher](#) | [Terms](#)



# the future?

- Direction from Automatic & VIP
- Core in git
- DB
- Managed WP host with git
  - easy move between staging & live

# Thank you

Matt Radford

