

DEPLOYING WORDPRESS

Ing. Byron Corrales
byron@kronoscode.com

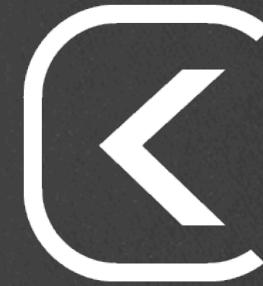


KRONOSCODE



Quien Soy

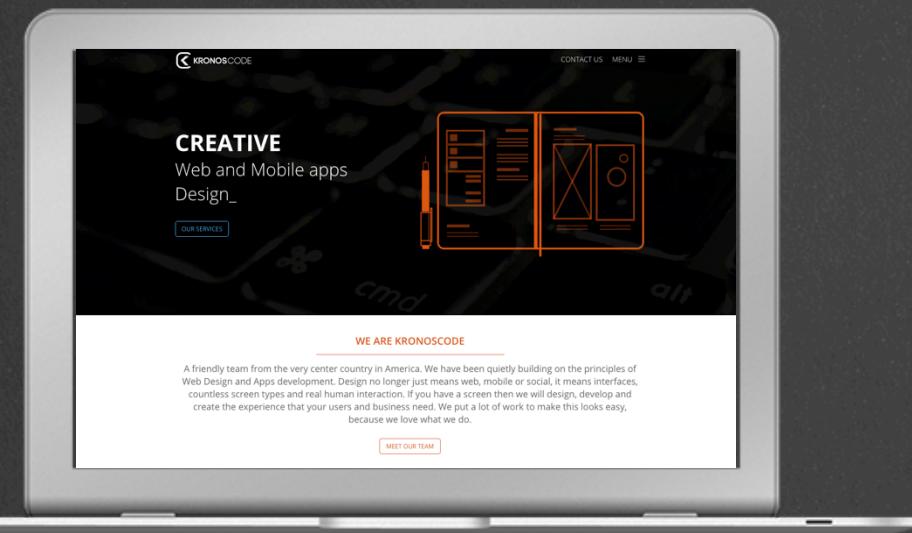
- Co – Fundador
- Project Manager
- Frontend Developer



KRONOSCODE



KRONOSCODE



WWW.KRONOSCODE.COM

Empresa

KRONOSCODE

Tipo de Empresa

Servicio de diseño y desarrollo de aplicaciones

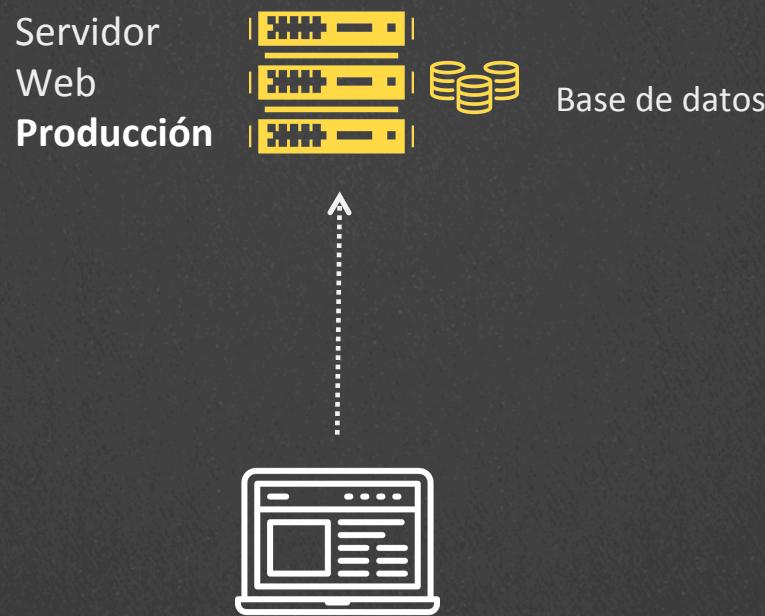
Descripción

Empresa dedicada al diseño y desarrollo de aplicaciones y sitios web a medida, nos especializamos en proyectos que demandan atención al detalle y a brindar a los usuarios una excelente experiencia de uso

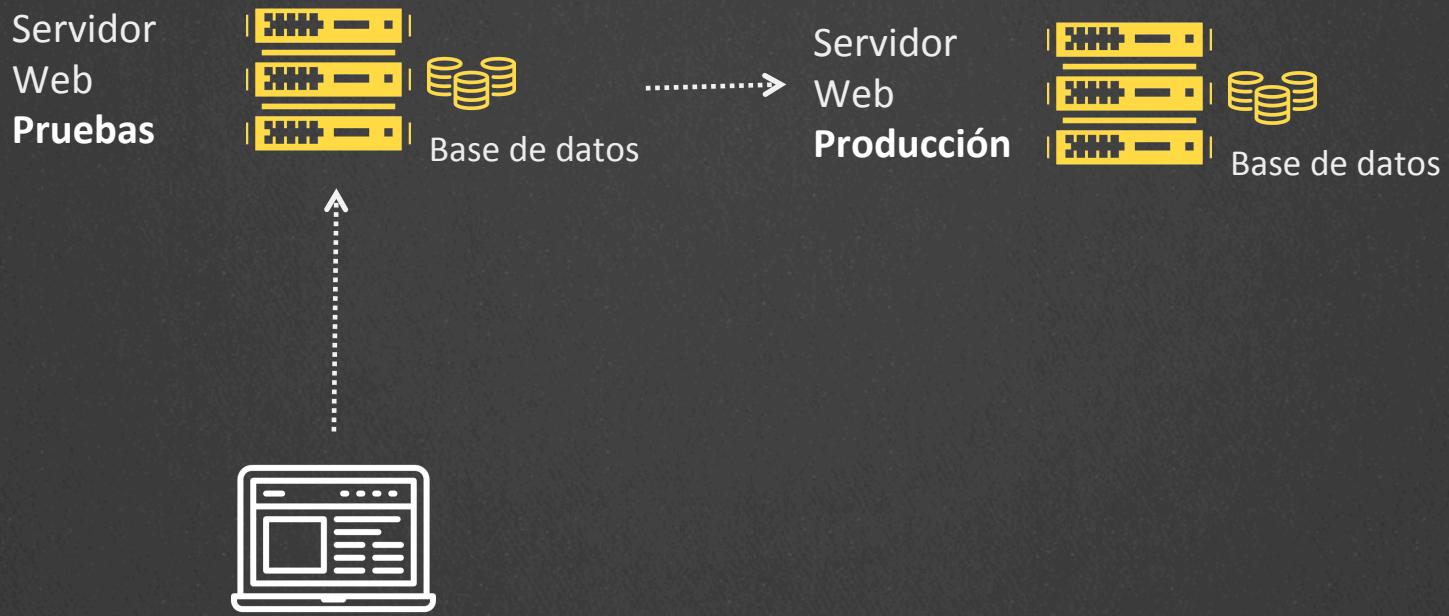
QUE ES DEPLOY / DESPLIEGUE ?

Distribuir la instalación o código fuente de una aplicación hacia otras computadoras, servidores, dispositivos o servicios en la nube.

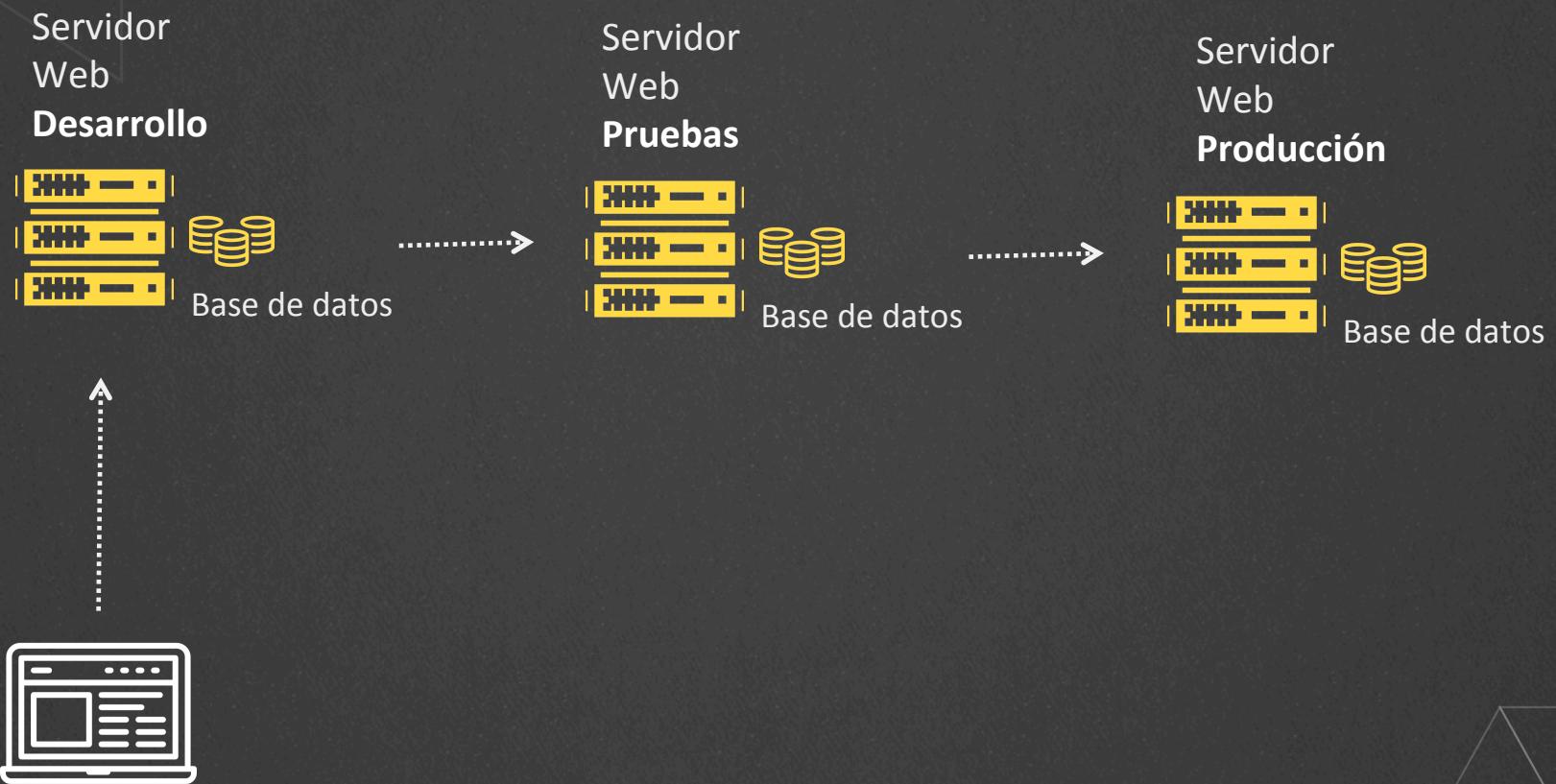
Deployment



Deployment



Deployment



Deployment

Servidor
Web
Desarrollo



Base de datos

Servidor
Web
Pruebas



Base de datos

Servidor
Web
Producción



Base de datos

Repository de código





Habeeb.com

Estructura de Wordpress



Wordpress Core

Configuraciones

Content

Themes

Plugins

Uploads

Base de datos

Estructura de Wordpress



Wordpress Core

Configuraciones

Content

Themes

Plugins

Uploads

Base de datos

Wp-config.php

```
// ** MySQL settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define('DB_NAME', 'devlospinosfarm');

/** MySQL database username */
define('DB_USER', 'root');

/** MySQL database password */
define('DB_PASSWORD', '');

/** MySQL hostname */
define('DB_HOST', '127.0.0.1');

/** Database Charset to use in creating database tables. */
define('DB_CHARSET', 'utf8');

/** The Database Collate type. Don't change this if in doubt. */
define('DB_COLLATE', ''');
```

```
define('WP_HOME','http://lospinosfarm.com');  
define('WP_SITEURL','http://lospinosfarm.com');
```

(MySQL 5.6.19) root@127.0.0.1/devlospinosfarm/wp_options

devlospinosfarm Select Database Structure Content Relations Triggers Table Info Query Table History Users Console

TABLES

option_id	option_name	option_value	autoload
1	siteurl	http://local.lospinosfarm.com	yes
2	home	http://local.lospinosfarm.com	yes
3	blogname	LOS PINOS FARM	yes
4	blogdescription	Just another WordPress site	yes
5	users_can_register	0	yes
6	admin_email	byroncorrales@gmail.com	yes
7	start_of_week	1	yes
8	use_balanceTags	0	yes
9	use_smilies	1	yes
10	require_name_email	1	yes
11	comments_notify	1	yes
12	posts_per_rss	10	yes
13	rss_use_excerpt	0	yes
14	mailserver_url	mail.example.com	yes
15	mailserver_login	login@example.com	yes
16	mailserver_pass	password	yes
17	mailserver_port	110	yes
18	default_category	1	yes
19	default_comment_status	open	yes
20	default_ping_status	open	yes
21	default_pingback_flag	0	yes
22	posts_per_page	10	yes
23	date_format	F j, Y	yes
24	time_format	g:i a	yes
25	links_updated_date_format	F j, Y g:i a	yes
26	comment_moderation	0	yes
27	moderation_notify	1	yes

TABLE INFORMATION

- created: 22/7/16
- engine: InnoDB
- rows: 112
- size: 32.0 KiB
- encoding: utf8mb4
- auto_increment: 115

+ * C □ || + - + C 112 rows in table

(MySQL 5.6.19) root@127.0.0.1/devlospinosfarm/wp_posts

Select Database Structure Content Relations Triggers Table Info Query Table History Users Console

TABLES

ID	post_author	post_date	p p post_title	p p c p p t p p p post_parent guid
1	1	2016-07-23 05:05:37	2 W Hello world!	p o o h 2 2
2	1	2016-07-23 05:05:37	2 T Sample Page	p c o s. 2 2

TABLE INFORMATION

- created: 22/7/16
- engine: InnoDB
- rows: 2
- size: 16.0 KiB
- encoding: utf8mb4
- auto_increment: 3

2 rows in table

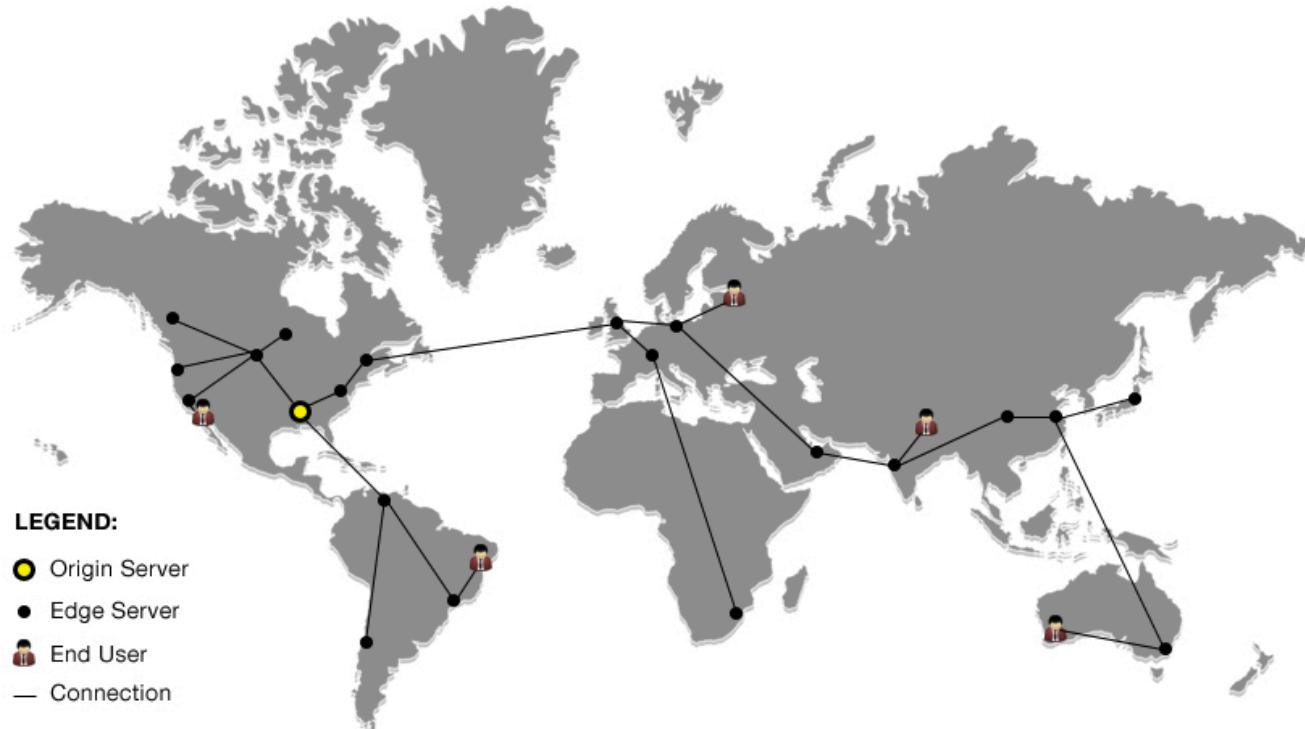
Tip

Usar CDN para uploads

WHAT CDN

THE HECK IS A

Short for "Content Delivery Networks" CDN is a network of geographically dispersed servers which delivers cached content from websites to end users based on the geographic locations of the user, the origin of the static content, and a content delivery edge server.



The screenshot shows the Jetpack settings page in a WordPress dashboard. The top navigation bar includes the WordPress logo, site title "Expressions - Bhagwad Jal Park", and stats for 1 revision and 0 comments. The left sidebar menu is visible, with "Jetpack" selected and highlighted in blue. A large red arrow points upwards from the "Settings" link in the sidebar towards the main content area. The main content area displays a list of Jetpack features with checkboxes:

- Notifications
- Omnisearch
- Photon Activate
- Post by Email
- Protect
- Publicize
- Related Posts

A red oval highlights the "Photon" feature, which is currently inactive.

1. Wordpress directamente en el servidor

www.lospinosfarm.com

Servidor
Web
Producción



Cowboy Coding

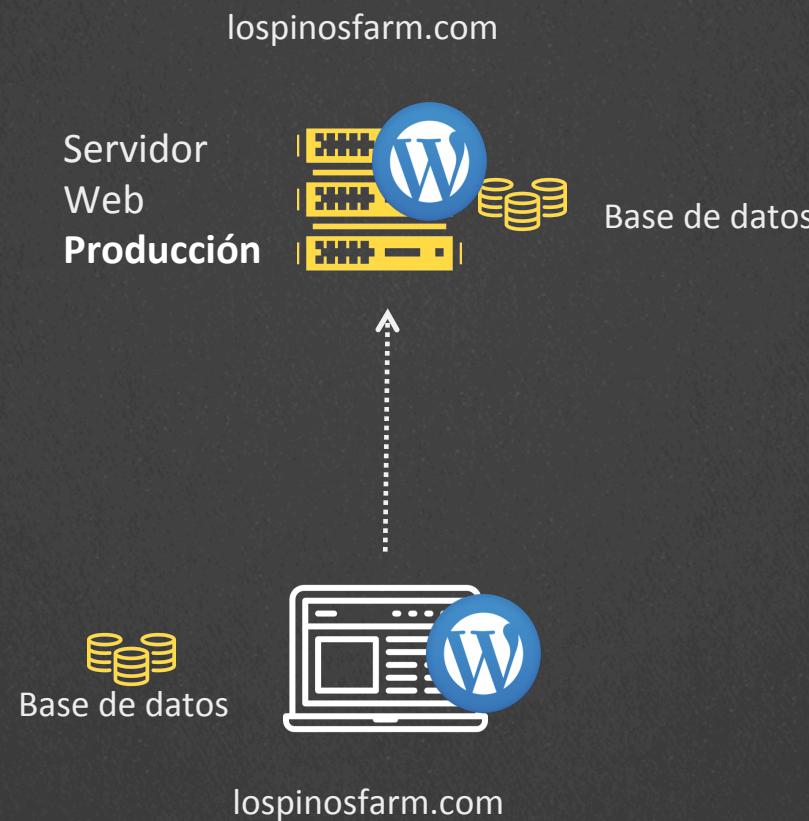


Desventajas

- **Comunmente no hay respaldos de los cambios**
- **Puede molestar la experiencia de usuario activos**
- **Depender de la conectividad.**
- **Desorden y falta de control al trabajar en equipo.**

2. Wordpress versión local y versión remota en servidor

Simular el dominio



Instalar wp local

```
[~/code/wordpress/local_lospinosfarm]$ ll
total 328
-rw-r--r--  1 bcorrales  staff   418B 22 Jul 22:53 index.php
-rw-r--r--  1 bcorrales  staff   19K 22 Jul 22:53 license.txt
-rw-r--r--  1 bcorrales  staff   7.2K 22 Jul 22:53 readme.html
-rw-r--r--  1 bcorrales  staff   4.9K 22 Jul 22:53 wp-activate.php
drwxr-xr-x  89 bcorrales  staff   3.0K 22 Jul 22:53 wp-admin
-rw-r--r--  1 bcorrales  staff   364B 22 Jul 22:53 wp-blog-header.php
-rw-r--r--  1 bcorrales  staff   1.4K 22 Jul 22:53 wp-comments-post.php
-rw-r--r--  1 bcorrales  staff   2.8K 22 Jul 22:53 wp-config-sample.php
-rw-r--r--  1 bcorrales  staff   2.8K 22 Jul 23:17 wp-config.php
drwxr-xr-x  5 bcorrales  staff   170B 22 Jul 22:53 wp-content
-rw-r--r--  1 bcorrales  staff   3.2K 22 Jul 22:53 wp-cron.php
drwxr-xr-x  161 bcorrales  staff   5.3K 22 Jul 22:53 wp-includes
-rw-r--r--  1 bcorrales  staff   2.3K 22 Jul 22:53 wp-links-opml.php
-rw-r--r--  1 bcorrales  staff   3.2K 22 Jul 22:53 wp-load.php
-rw-r--r--  1 bcorrales  staff   33K 22 Jul 22:53 wp-login.php
-rw-r--r--  1 bcorrales  staff   7.7K 22 Jul 22:53 wp-mail.php
-rw-r--r--  1 bcorrales  staff   13K 22 Jul 22:53 wp-settings.php
-rw-r--r--  1 bcorrales  staff   28K 22 Jul 22:53 wp-signup.php
-rw-r--r--  1 bcorrales  staff   3.9K 22 Jul 22:53 wp-trackback.php
-rw-r--r--  1 bcorrales  staff   3.0K 22 Jul 22:53 xmlrpc.php
[~/code/wordpress/local_lospinosfarm]$ pwd
/Users/bcorrales/code/wordpress/local_lospinosfarm
[~/code/wordpress/local_lospinosfarm]$ |
```

Apache

```
<VirtualHost *:80>
    ServerName lospinosfarm.com
    DocumentRoot "/Users/bcorrales/code/wordpress/local_lospinosfarm/"
    <Directory /Users/bcorrales/code/wordpress/local_lospinosfarm>
        Options Indexes FollowSymLinks Includes
        AllowOverride All
        Require all granted
    </Directory>
</VirtualHost>
```

hosts

```
127.0.0.1      lospinosfarm.com
```

The screenshot shows a web browser window with a dark theme. The address bar at the top contains the URL "lospinosfarm.com", which is highlighted with a red rectangular box. To the right of the address bar is a small user icon and a red notification badge with the number "27". The main content area displays a WordPress website. The header features the site title "Los Pinos Farm" and a subtitle "Just another WordPress site". Below the header is a large, bold heading "Hello world!". To the left of the heading is a timestamp "July 23, 2016" and a link "1 Comment". To the right of the heading is the post content: "Welcome to WordPress. This is your first post. Edit or delete it, then start writing!". On the right side of the page, there is a search bar with a placeholder "Search ..." and a magnifying glass icon. Below the search bar is a "RECENT POSTS" section containing a single item: "Hello world!". Further down is a "RECENT COMMENTS" section, which currently has no entries.

Los Pinos Farm

Just another WordPress site

Hello world!

July 23, 2016

1 Comment

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

Search ...

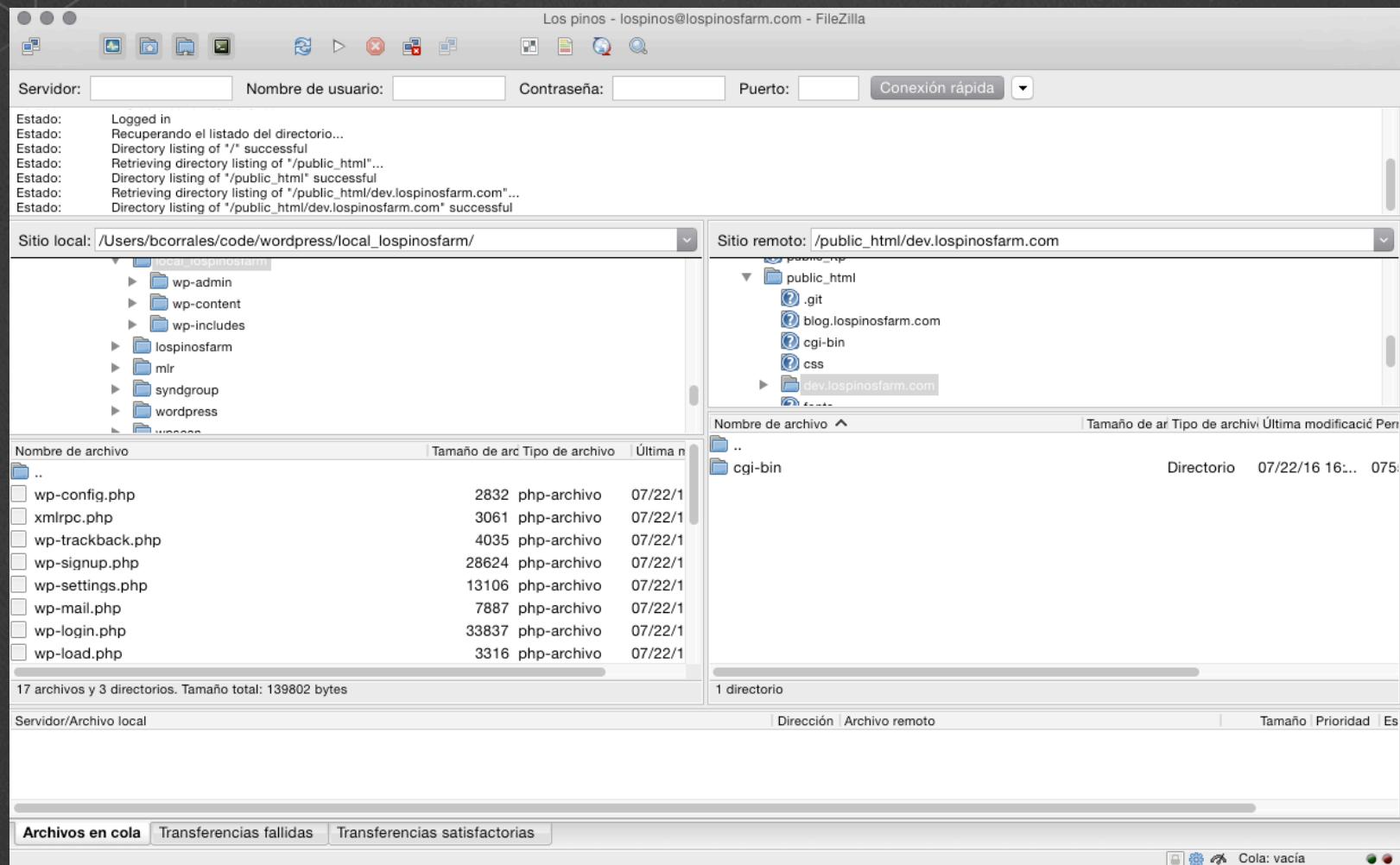
RECENT POSTS

- [Hello world!](#)

RECENT COMMENTS

- [Mr WordPress](#) on [Hello world!](#)

Transferir código local por ftp o ssh



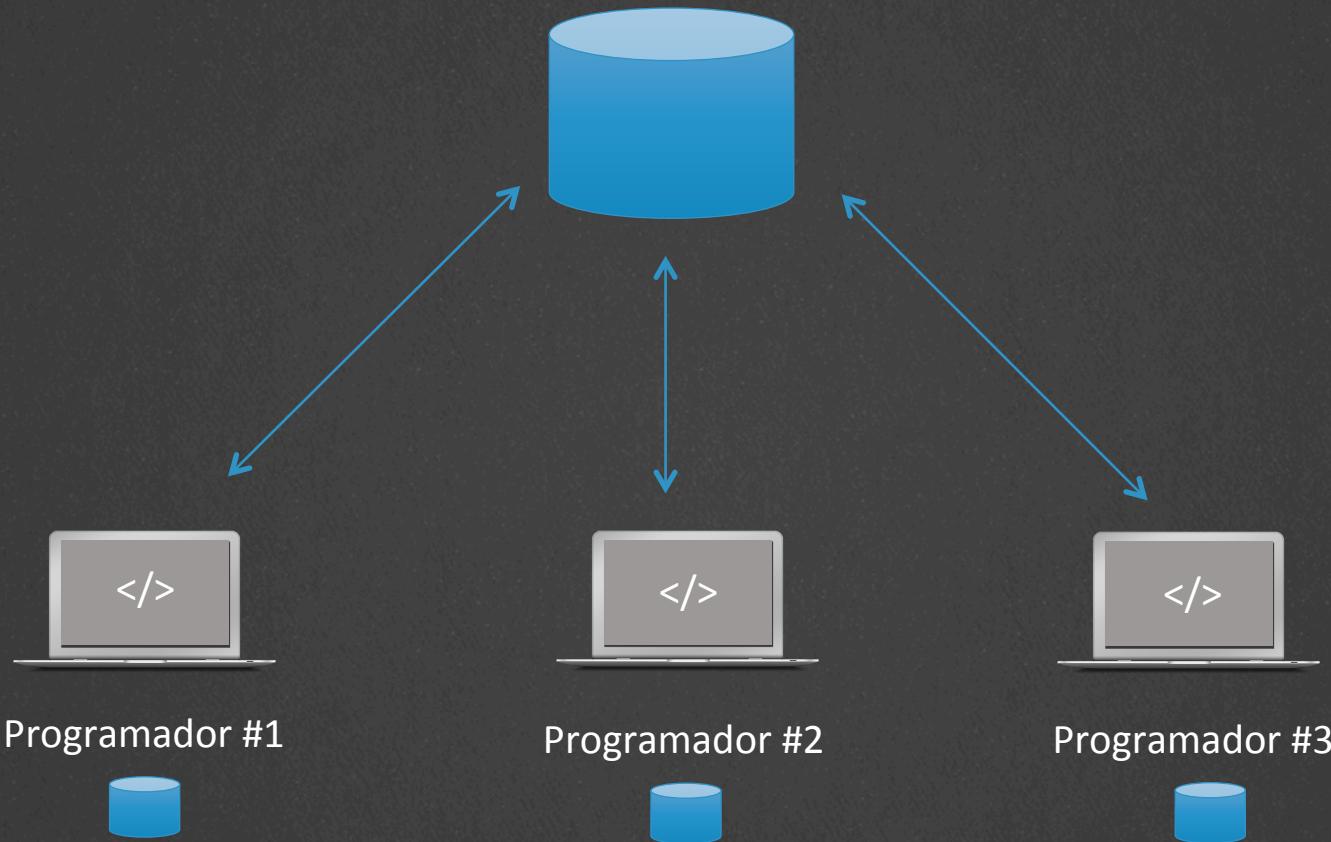
Desventajas

- Hay que saber coordinarse cuales son los archivos en su última versión.
- Activar y desactivar configuración de host cada vez que se deseé cambiar de ambiente local a ambiente de producción.
- Desorden y falta de control al trabajar en equipo

3. Wordpress versión local y versión remota en servidor con sistema de control de versiones



Repositorio GIT



Repositorio GIT



MASTER



Programador #1



Programador #2



Programador #3

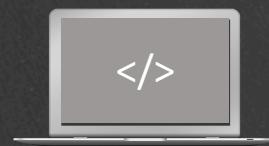
Repositorio GIT



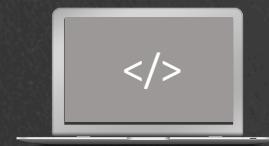
MASTER



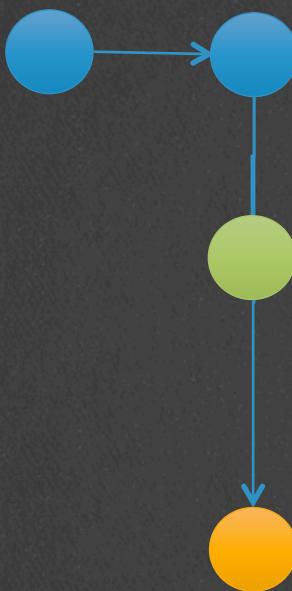
Programador #1



Programador #2



Programador #3



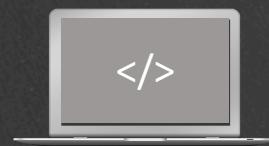
Repositorio GIT



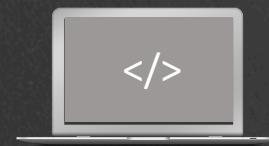
MASTER



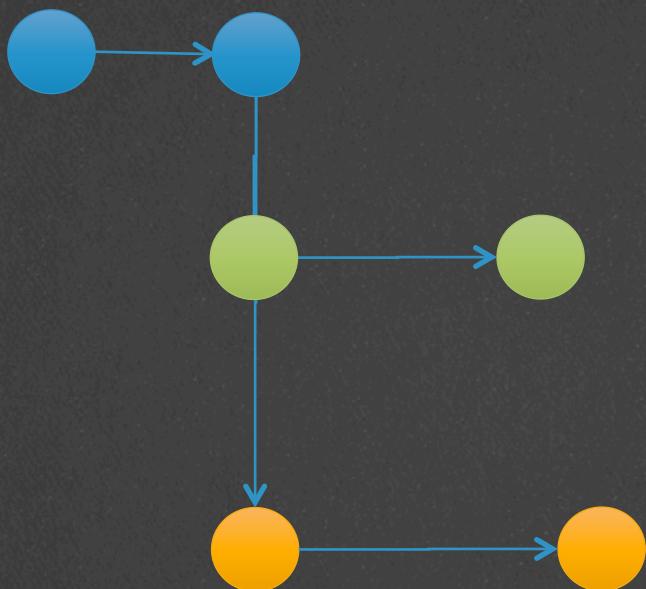
Programador #1



Programador #2



Programador #3



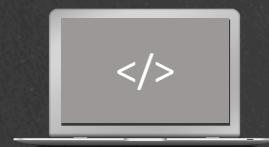
Repositorio GIT



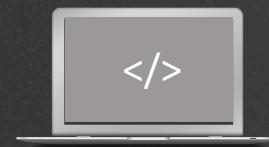
MASTER



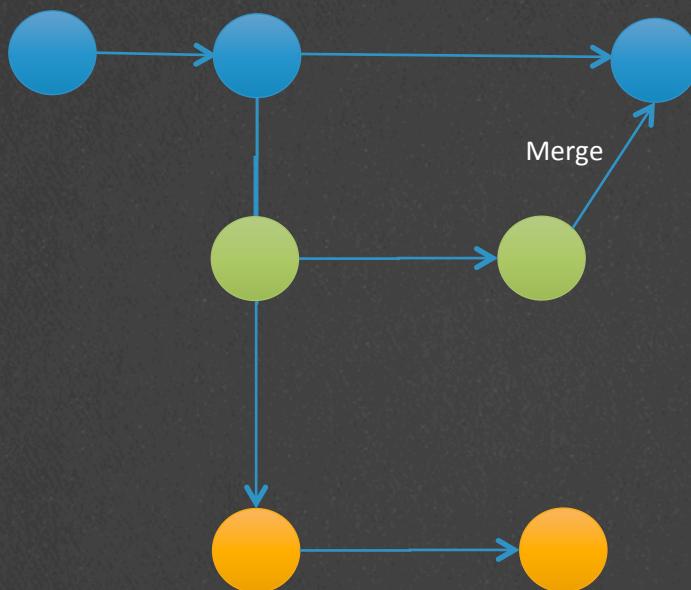
Programador #1



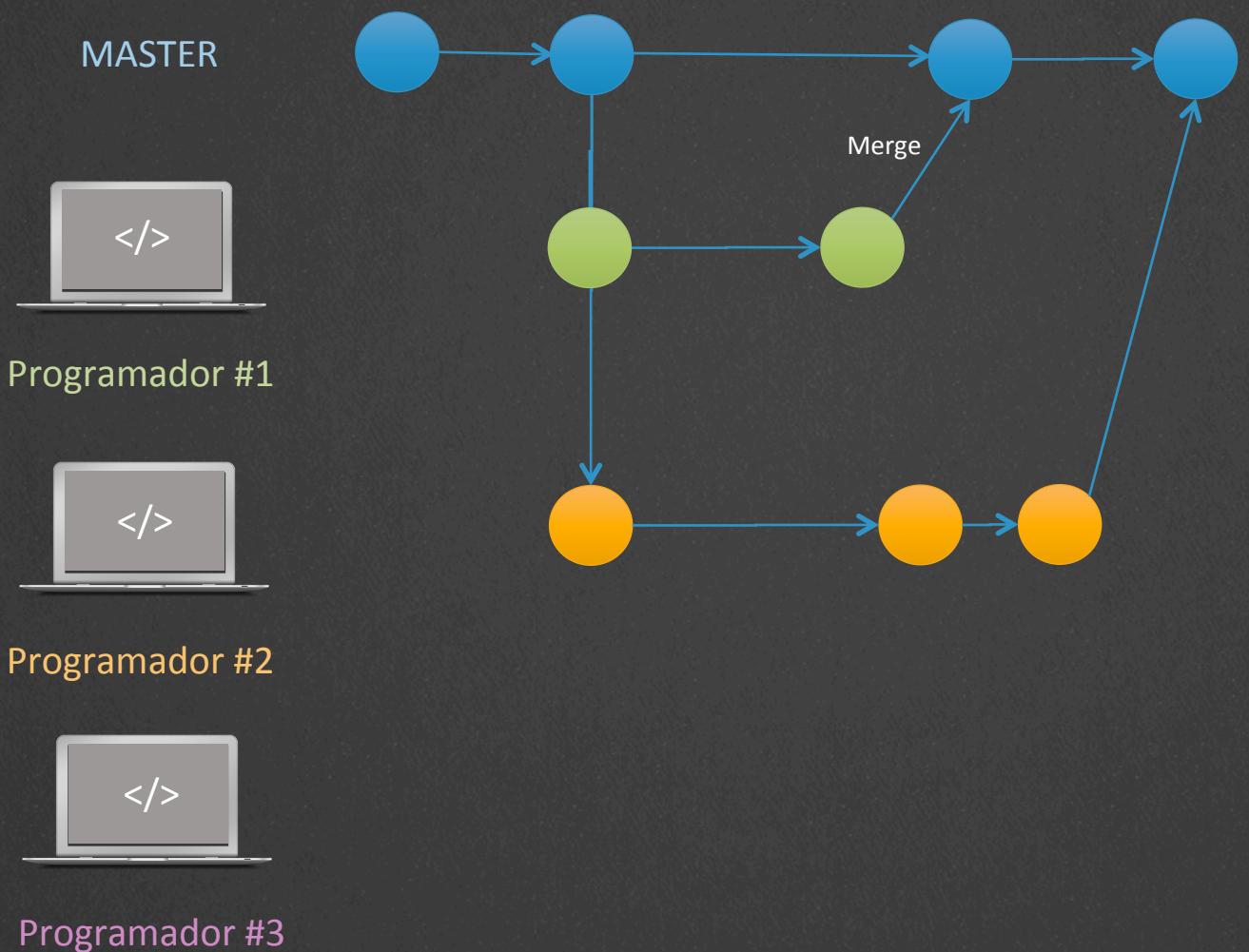
Programador #2

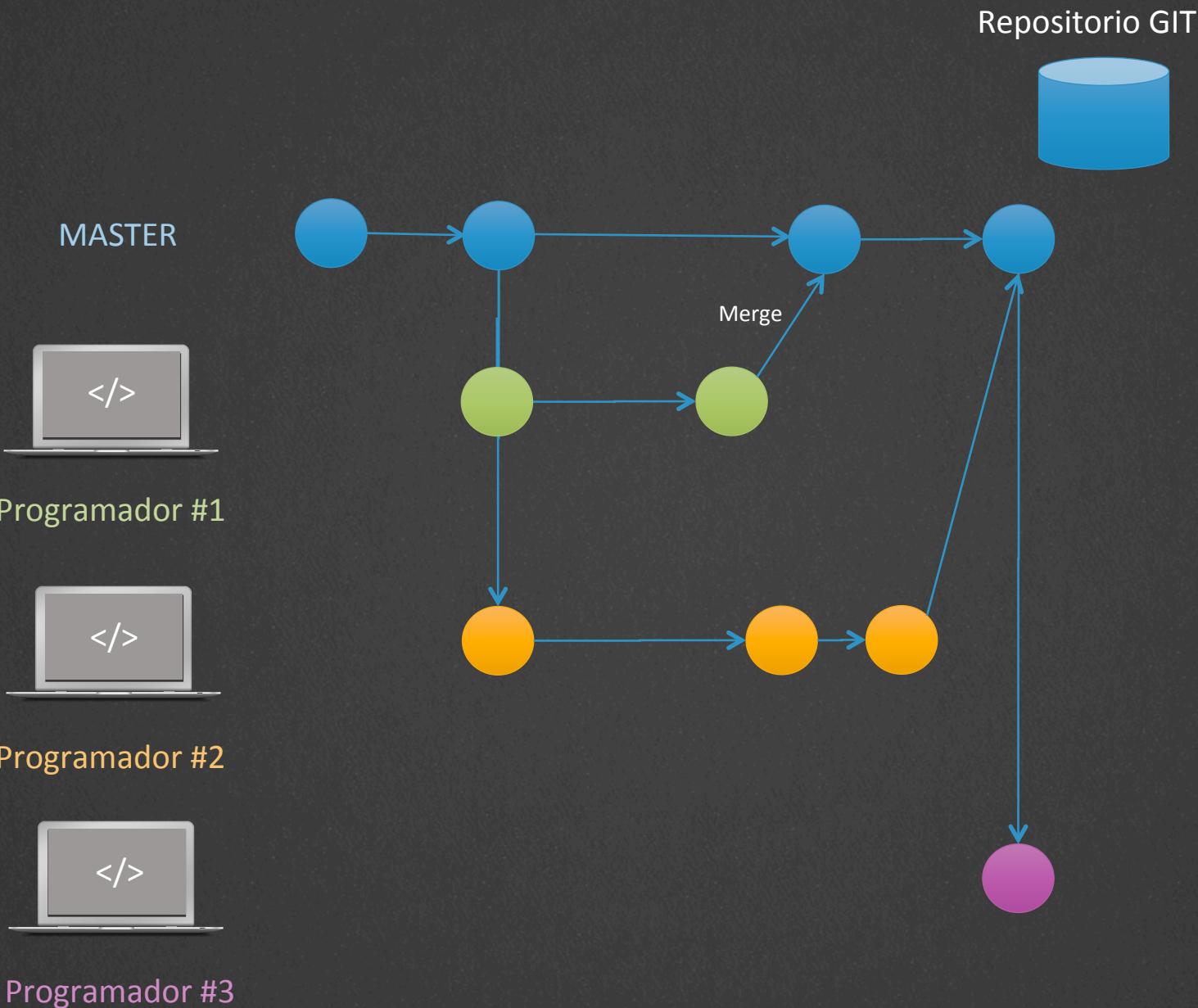


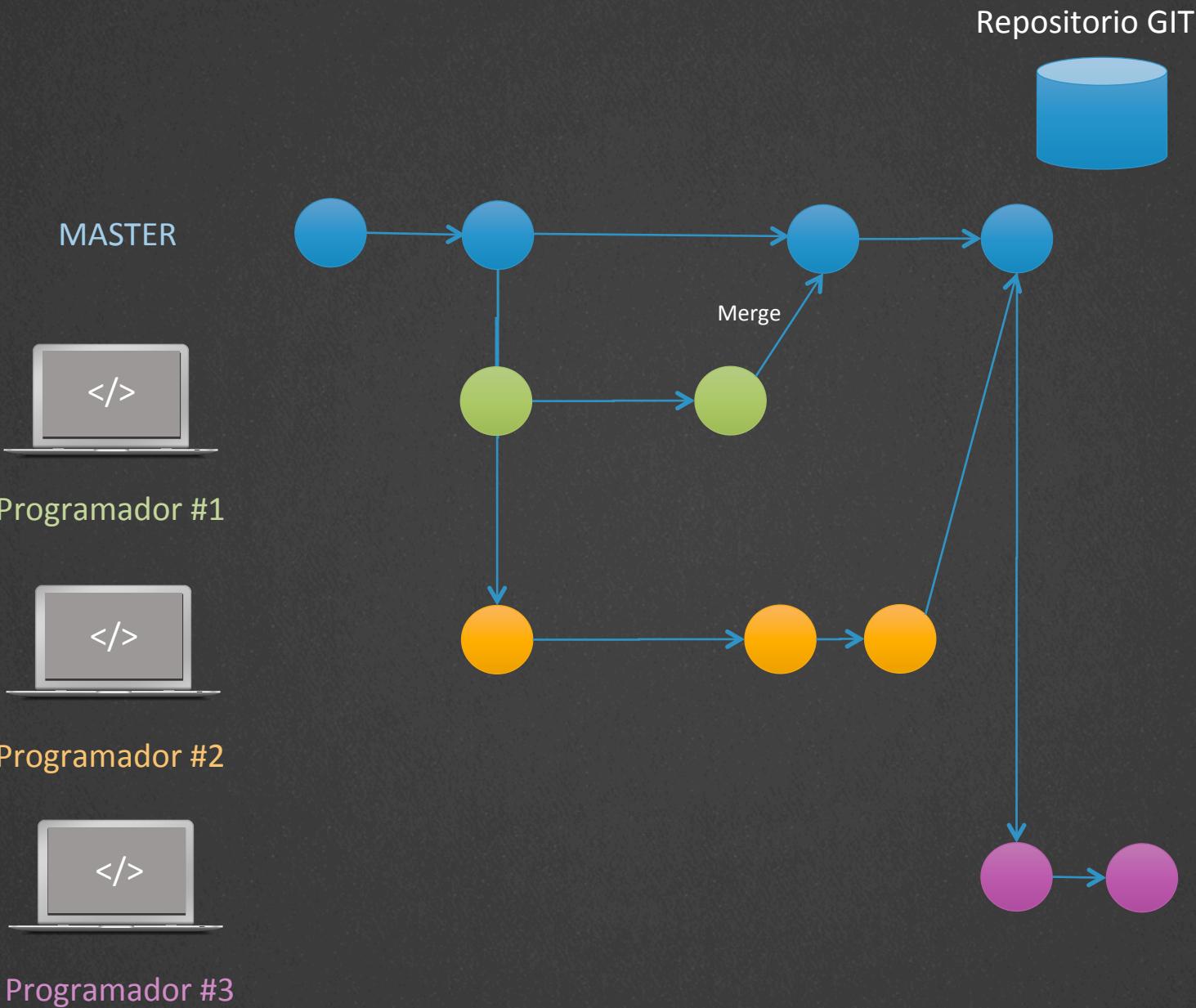
Programador #3



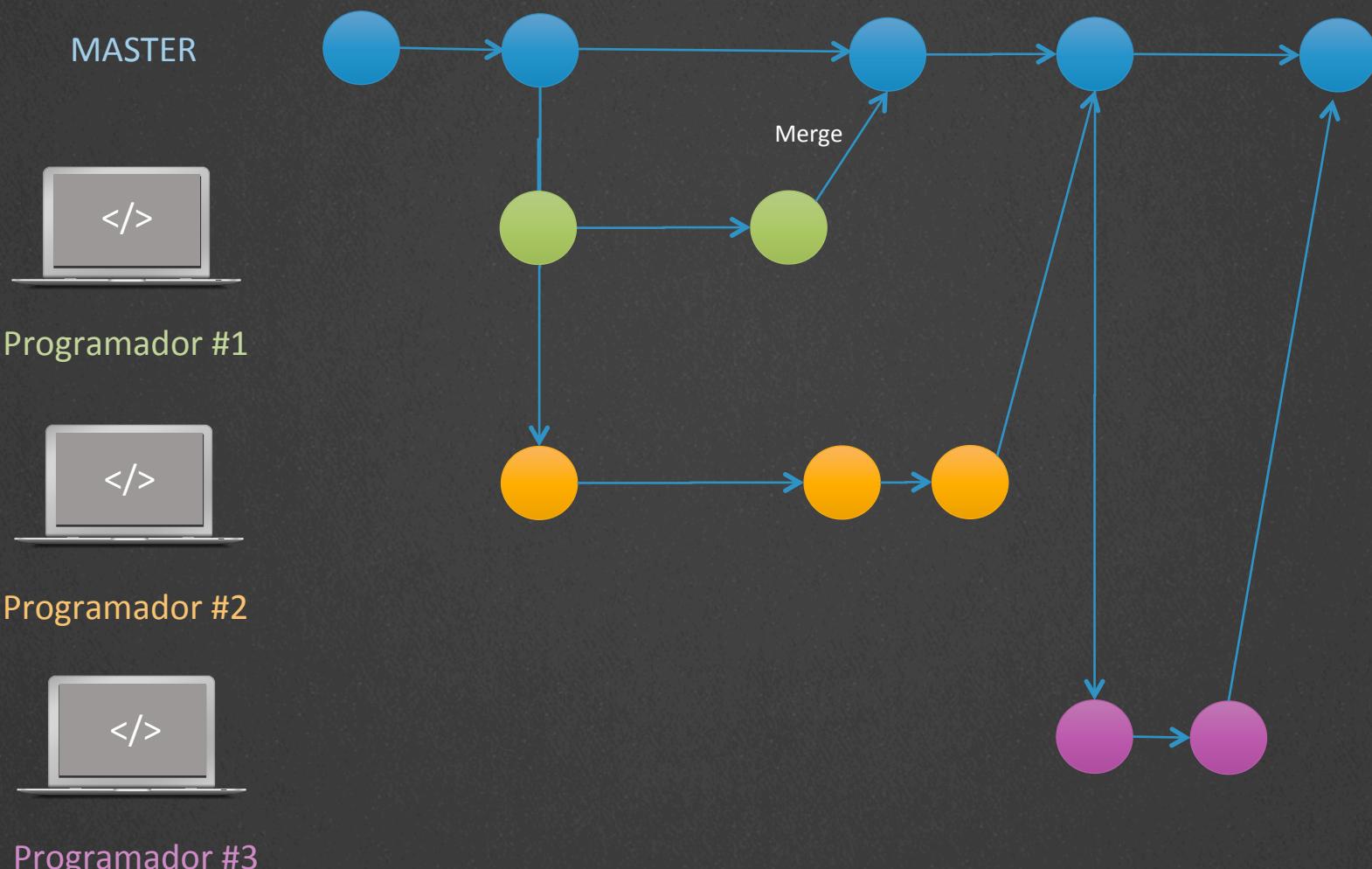
Repositorio GIT







Repositorio GIT



gitignore

19 lines (16 sloc) | 300 Bytes

[Raw](#) [Blame](#) [History](#)



```
1 *.log
2 wp-config.php
3 wp-content/advanced-cache.php
4 wp-content/backup-db/
5 wp-content/backups/
6 wp-content/blogs.dir/
7 wp-content/cache/
8 wp-content/upgrade/
9 wp-content/uploads/
10 wp-content/wp-cache-config.php
11 wp-content/plugins/hello.php
12
13 /.htaccess
14 /license.txt
15 /readme.html
16 /sitemap.xml
17 /sitemap.xml.gz
18
```

Agregar
*.sql
*.sqlite

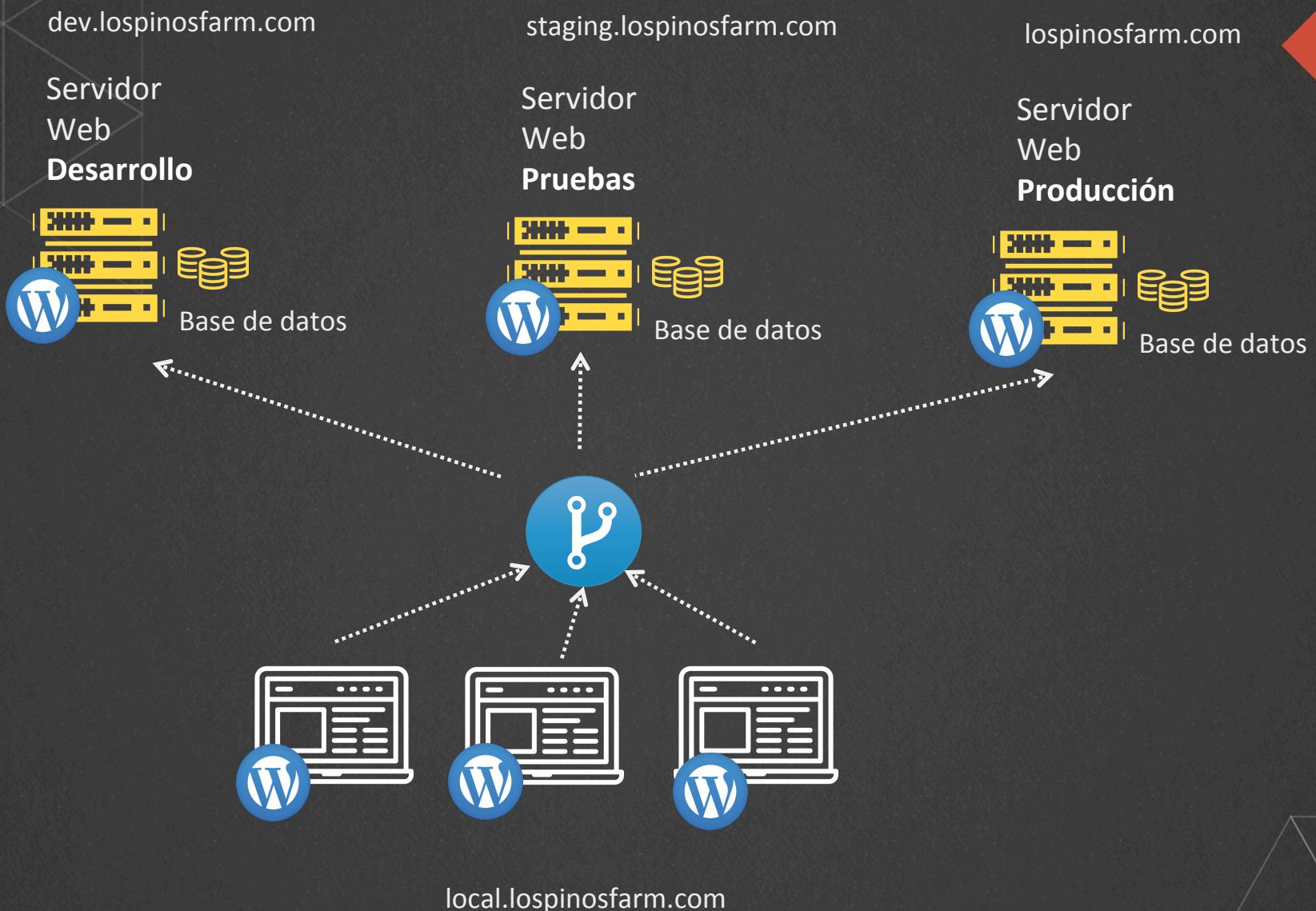
Ventajas

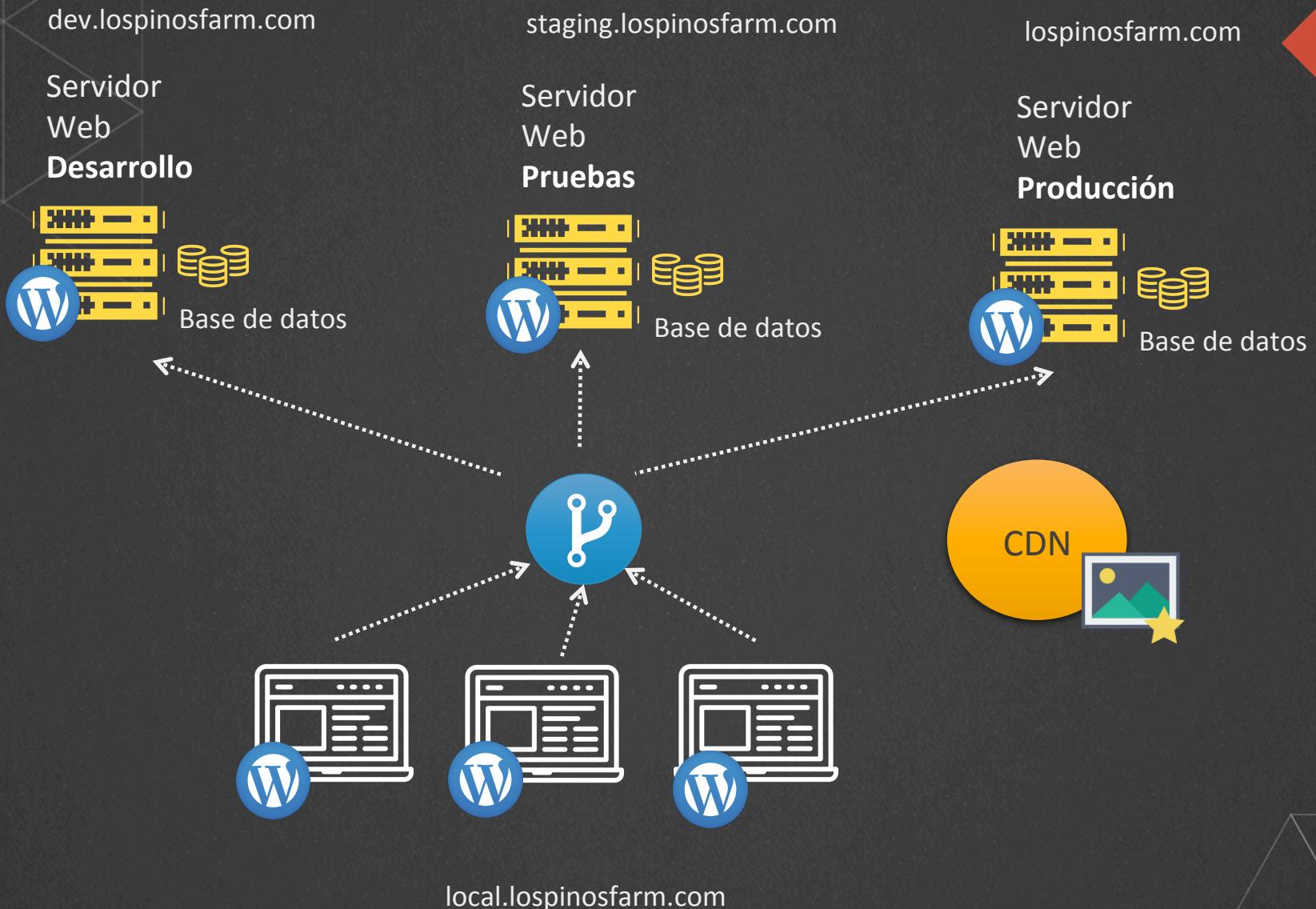
- Se puede retornar a versiones anteriores en caso de fallos
- Se puede trabajar en equipo de forma mas organizada
- Se puede trabajar en nuevas funcionalidades de forma paralela haciendo uso de ramas en git

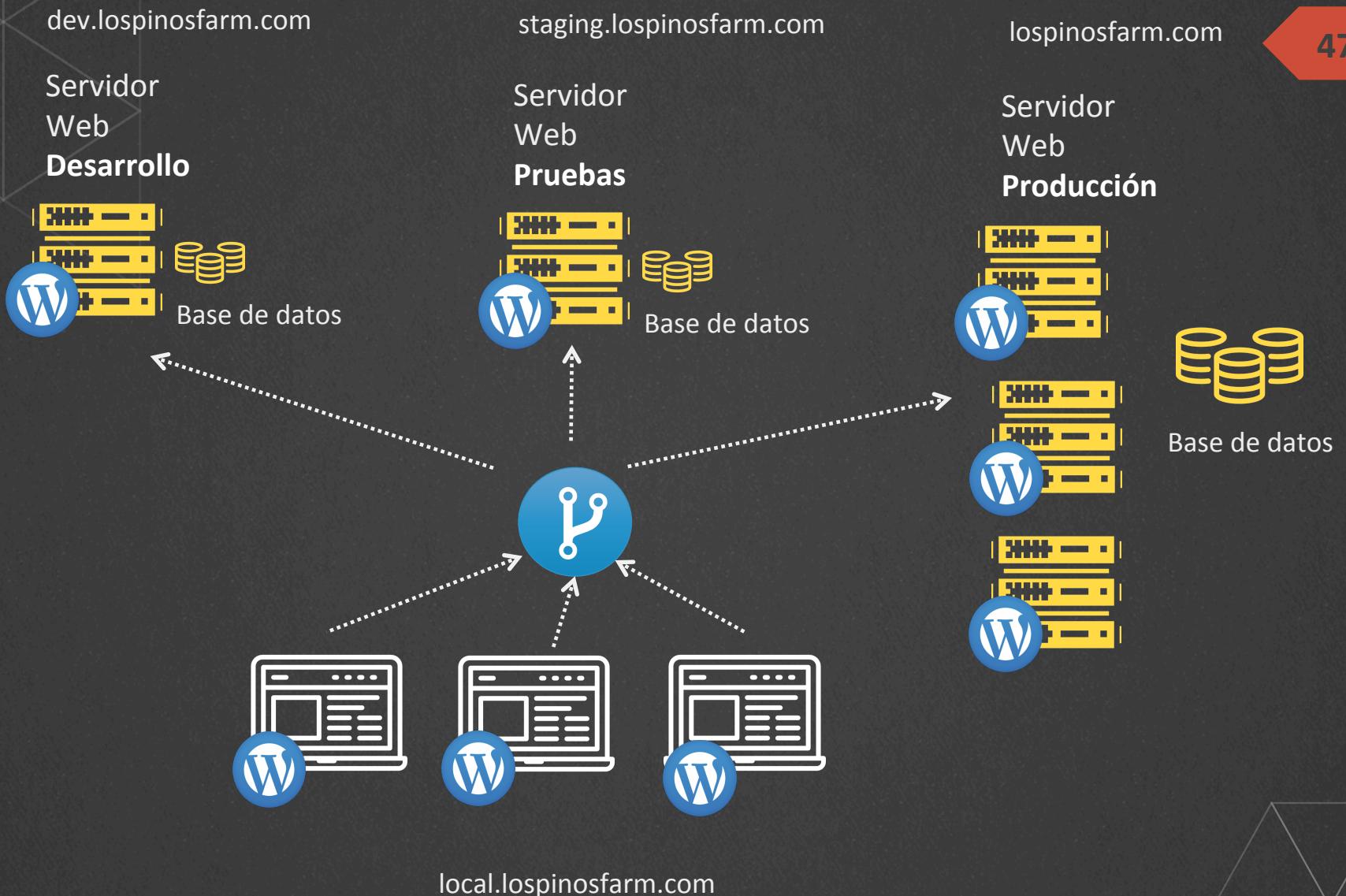
Desventajas

- La curva de aprendizaje de un sistema de control de versiones
- Miedo a la terminal

4. Wordpress versión local, servidor de pruebas y servidor de producción con sistema de control de versiones







Multiples dominios

lospinosfarm.com

staging.lospinosfarm.com

dev.lospinosfarm.com

local.lospinosfarm.com

Apache

```
<VirtualHost *:80>
    ServerName local.lospinosfarm.com
    DocumentRoot "/Users/bcorrales/code/wordpress/local_lospinosfarm/"
    <Directory /Users/bcorrales/code/wordpress/local_lospinosfarm>
        Options Indexes FollowSymLinks Includes
        AllowOverride All
        Require all granted
    </Directory>
</VirtualHost>
```

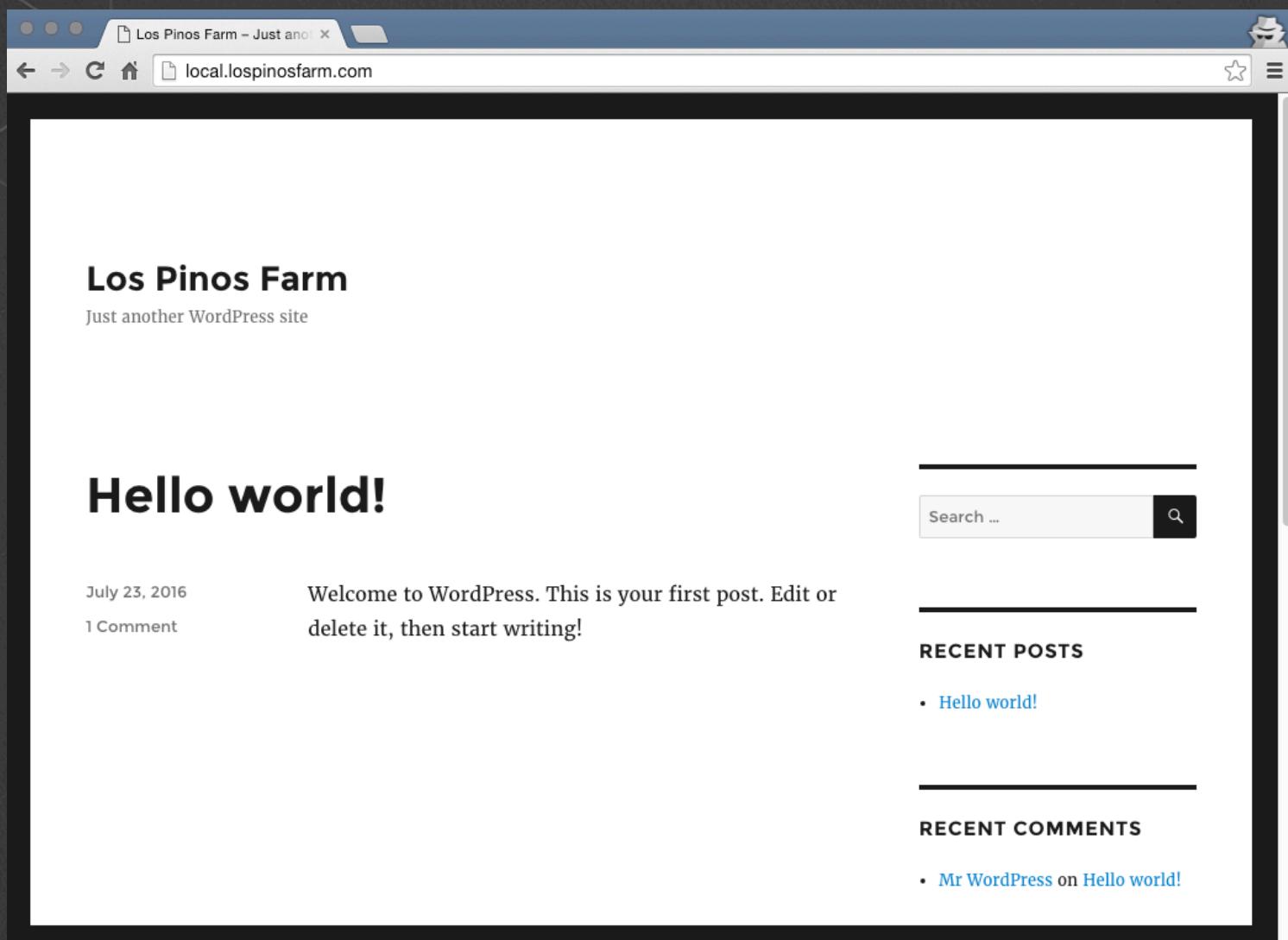
hosts

```
127.0.0.1 local.lospinosfarm.com
```

Migrar rutas de dominios

```
wp search-replace "/home/server_user/lospinosfarm.com" "/home/local_user/  
local_lospinosfarm" --all-tables
```

```
wp search-replace "lospinosfarm.com" "local.lospinosfarm.com" --all-tables --  
verbose
```



5. Deploy Tools

Migrate db pro



**Migration
can be a beautiful thing**

Even for a WordPress database

<https://deliciousbrains.com/wp-migrate-db-pro/>

Delicious Brains 0 3 New

Migrate DB Pro

Migrate Settings Addons Help

Export File

Pull Replace this site's db with remote db
`https://sfboxfactory.com/wp
R4DfAHYgCSgHlZ450oAEP3g59T099MJ0`

Push Replace remote db with this site's db

Find

- //sfboxfactory.com/wp
- /srv/www/sfboxfactory.com/public_html

Replace

- //dev.sfboxfactory.com
- /Users/charlie/home/sfboxfactory.com

Add Row

Tables

Exclude Post Types

Advanced Options

Backup the local database before replacing it
An SQL file will be saved to content/uploads/wp-migrate-db-pro/
 Backup all tables with prefix "asdf7dh_"
 Backup only tables selected for migration
 Backup only selected tables below



Export your database

Save an SQL file of your database to your computer with URLs replaced.



Select which tables to migrate

Migrate all tables for the current install or select exactly which tables to migrate.



Filter out post types

Select which post types you don't want copied in migrations.



Exclude useless data

Prevent SPAM comments and transients from being copied.



Migration profiles

Just before you run a migration, save all the settings to reuse next time.



Phenomenal email support

We take pride in delivering exceptional customer support.



Stress tested on massive databases

We test migrating tables several GBs in size on shared hosting servers.



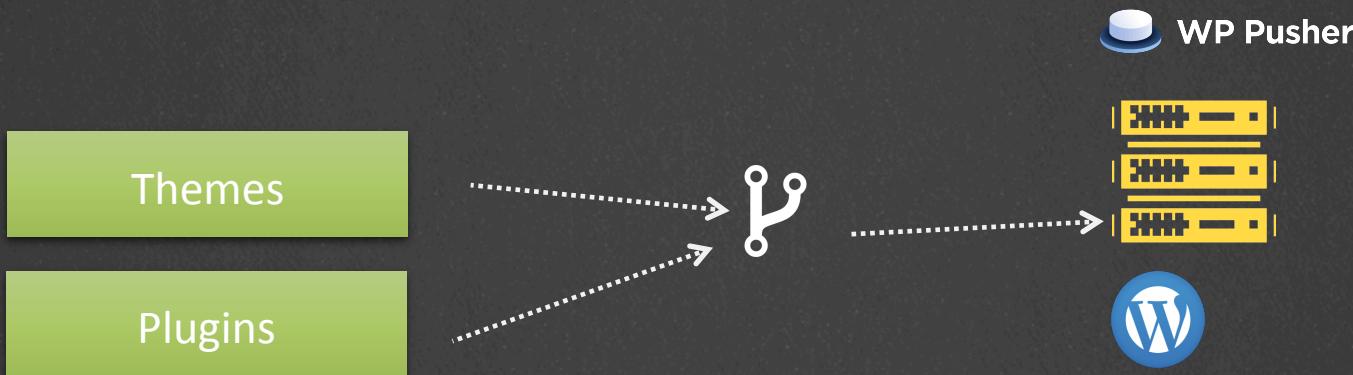
Solid security

Our code is regularly audited by a WordPress security expert.

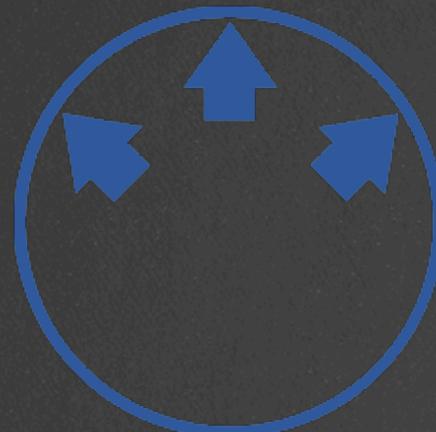


WP Pusher

<https://wppusher.com/>



Gratis para repositorios públicos
Pago para repositorios privados



Wordmove

<https://github.com/welaika/wordmove>

```
$ gem install wordmove
```

```
> wordmove help
```

Tasks:

wordmove help [TASK] # Describe available tasks or one specific task

wordmove init # Generates a brand new Movefile

wordmove pull # Pulls WP data from remote host to the local machine

wordmove push # Pushes WP data from local machine to remote host

Configurar archivo Movefile

local:

```
vhost: "http://local.lospinosfarm.com"  
wordpress_path: "/Users/bcorrales/code/wordpress/local_lospinosfarm/"
```

database:

```
name: "devlospinosfarm"  
user: "root"  
password: "password"  
host: "127.0.0.1"
```

```
# paths: # you can customize wordpress internal paths  
# wp_content: "wp-content"  
# uploads: "wp-content/uploads"  
# plugins: "wp-content/plugins"  
# themes: "wp-content/themes"  
# languages: "wp-content/languages"
```

production:

```
vhost: "http://lospinosfarm.com"  
wordpress_path: "/var/www/lospinosfarm.com" # use an absolute path  
here
```

database:

```
name: "lospinos_wp"  
user: "lospinos"  
password: "password"  
host: "host"
```

```
# port: "3308" # Use just in case you have exotic server config  
# mysqldump_options: "--max_allowed_packet=50MB"
```

exclude:

- ".git/"
- ".gitignore"
- "Gemfile*"
- "Movefile"
- "wp-config.php" "wp-content/*.sql"

ssh:

```
host: "host"  
user: "user"
```

production:

ssh:

host: "host"

user: "user"

password: "password" # password is optional, will use public keys if available.

port: 22 # Port is optional

rsync_options: "--verbose" # Additional rsync options, optional

gateway: # Gateway is optional

host: "host"

user: "user"

password: "password" # password is optional, will use public keys if available.

```
[~/code/wordpress/local_lospinosfarm]$ wordmove help push
```

Usage:

```
wordmove push
```

Options:

- w, [--wordpress], [--no-wordpress]
- u, [--uploads], [--no-uploads]
- t, [--themes], [--no-themes]
- p, [--plugins], [--no-plugins]
- l, [--languages], [--no-languages]
- d, [--db], [--no-db]
- v, [--verbose], [--no-verbose]
- s, [--simulate], [--no-simulate]
- e, [--environment=ENVIRONMENT]
- c, [--config=CONFIG]
 - no-adapt], [--no-no-adapt]
 - all], [--no-all]

Envia la base de datos del local al servidor production

\$ wordmove push -e production -d

Nota: Se hacen respaldos automaticos, antes de hacer la operación, y se ejecutan consultas para sobre escribir urls.

Envia el theme y plugins del local al servidor de production

\$ wordmove push -e production -t -p

Obtiene la base de datos del servidor de producción al local

\$ wordmove pull -e staging -d

5. Servicios especializados





PANTHEON

69

byron-test

Sandbox



Team

Settings

Multidev

Dev

Test

Live

Support

[Visit Development Site](#)[Site Admin](#)[Public](#)[Connection Info](#)[Clear Caches](#)

</> Code

[Status](#)[Database / Files](#)[Errors](#)[Domains / HTTPS](#)[Backups](#)[Security](#)[New Relic](#) New!

Connection Mode:

 SFTP Git[Git Connection Info](#)`git clone ssh://codeser`

Commit Log

Deployed to Test Environment

Deployed to Live Environment

**"Initial Commit"**

Root authored 3 days ago

c20ae11e2d

Multidev ▾

Dev

Test

Live

Support

[Visit Development Site](#)[Site Admin](#)[Public](#)[Connection Info](#)[Clear Caches](#)[Code](#)[Status](#)[Database / Files](#)[Errors](#)[Domains / HTTPS](#)[Backups](#)[Security](#)[New Relic New!](#)

Clone

Import

Export

Wipe

Clone Database and Files to the Development Environment

From this Environment:

Test

 Clone Database Clone Files

After the Clone Finishes Successfully:

[Convert URLs in the Database](#)

From:

test-byron-test.pantheonsite.io

To:

dev-byron-test.pantheonsite.io

Convert URLs' Protocol to:

(no conversion)

 Clear Caches[Clone the Database & the Files from Test into the Development Environment](#)



PANTHEON

71

byron-test Sandbox



Team

Settings

Multidev

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Visit Test Site

Site Admin

Public

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Deploy

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Database / Files

Errors

Domains / HTTPS

Backups

Security

New Relic New!

Deploy Log



byroncorrales@gmail.com deployed to the **Test environment** 3 days ago

Create the Test environment



PANTHEON

72

Multidev

Dev

Test

Live

Support

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Clone

Import

Export

Wipe

Clone Database and Files to the Test Environment

From this Environment:

Development

 Clone Database Clone Files

After the Clone Finishes Successfully:

Convert URLs in the Database

From:

dev-byron-test.pantheonsite.io

To:

test-byron-test.pantheonsite.io

Convert URLs' Protocol to:

(no conversion)

 Clear Caches



byron-test Sandbox



Team

Settings

Multidev

Dev

Test

Live

Support

Visit Live Site

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New Relic New!

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CONCLUSIONES



PREGUNTAS