

Despliegue de Joomla en OpenShift

21/01/2016

Implantación de Aplicaciones Web

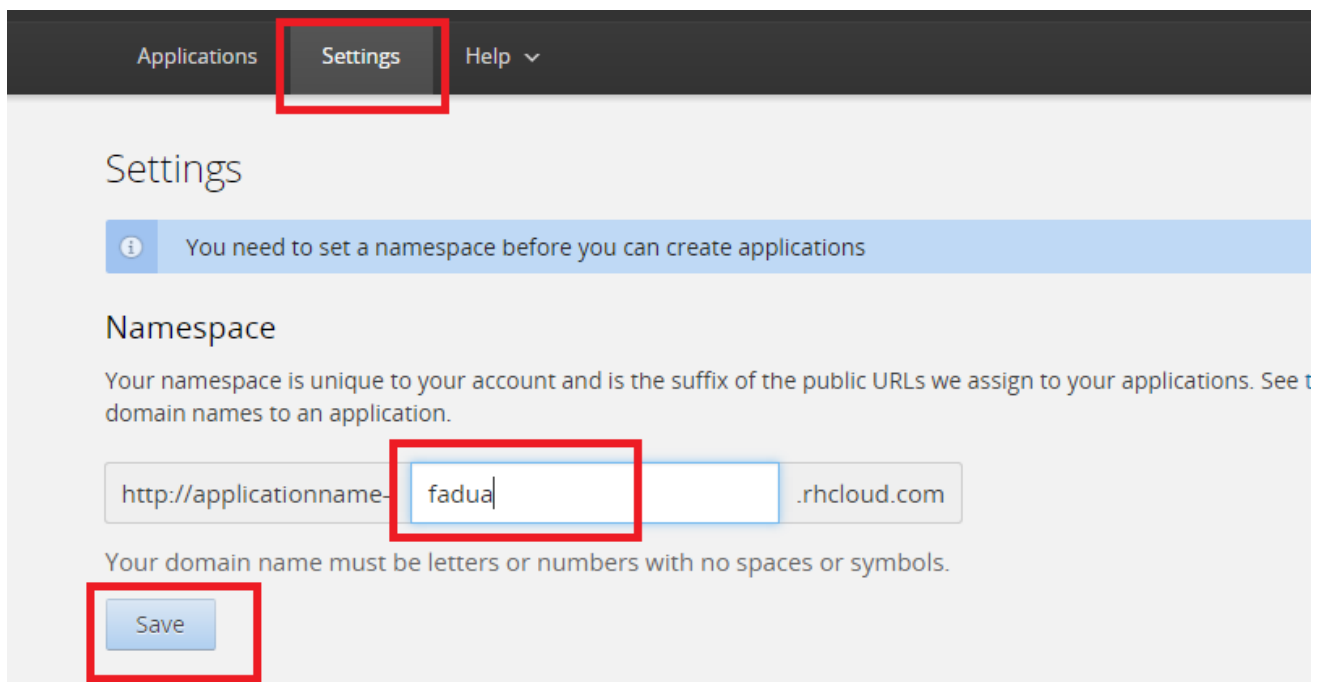
fadua



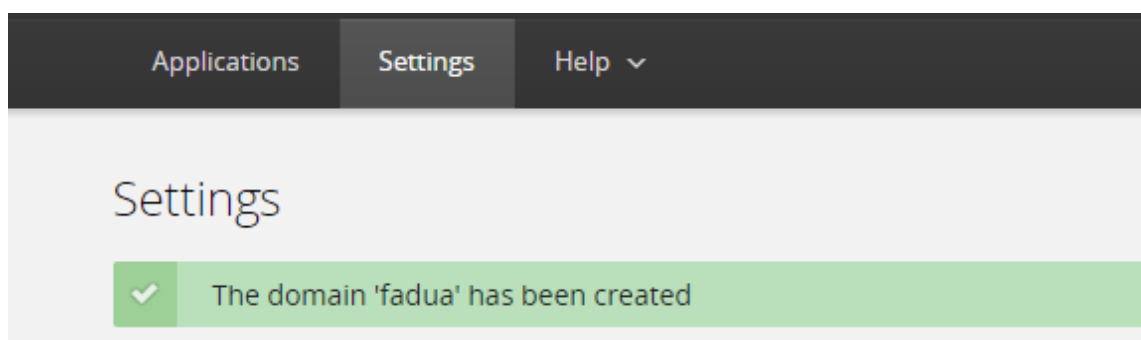
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Para empezar seguimos los siguientes pasos:

1. Nos registramos en www.openshift.com, luego ingresamos en **settings** y creamos un **namespace**(sufijo de la dirección url con la cual accederemos a nuestro espacio), luego pulsamos en **save**.



The screenshot shows the OpenShift web interface. At the top, there is a navigation bar with 'Applications', 'Settings' (highlighted with a red box), and 'Help' with a dropdown arrow. Below the navigation bar, the page title is 'Settings'. A blue informational banner states: 'You need to set a namespace before you can create applications'. Under the 'Namespace' section, there is a text input field containing 'fadua' (highlighted with a red box). The text 'http://applicationname-' is on the left and '.rhcloud.com' is on the right of the input field. Below the input field, a message says: 'Your domain name must be letters or numbers with no spaces or symbols.' At the bottom left, there is a 'Save' button (highlighted with a red box).



The screenshot shows the OpenShift web interface after the namespace has been created. The navigation bar is the same. Below the 'Settings' title, there is a green success banner with a checkmark icon and the text: 'The domain 'fadua' has been created'.

2. Ahora creamos las claves ssh que sirve para cifrar de forma segura la conexión entre el equipo local y nuestra solicitud y autorizar a cargar código.

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Para ello utilizamos el comando `ssh-keygen` que nos crea una clave privada y pública en el equipo local y se guardan en `~/.ssh`

```
fadua@debian:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/fadua/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/fadua/.ssh/id_rsa.
Your public key has been saved in /home/fadua/.ssh/id_rsa.pub.
The key fingerprint is:
15:f4:bd:e0:eb:18:fd:e1:97:b1:2f:86:b2:6d:04:78 fadua@debian
The key's randomart image is:
+---[RSA 2048]-----+
|
|  .o
|   o .
|  .. o .
| ..E. . .
| S. . . .
|   . . .
|  ..o.. +
|  .=ooo+.
|  o+o.ooo
|
+-----+
fadua@debian:~$
```

```
fadua@debian:~$ cd ~/.ssh
fadua@debian:~/.ssh$ ls
id_rsa  id_rsa.pub
fadua@debian:~/.ssh$
```

Subimos la clave pública a openshift:

- Copiamos el contenido de `id_rsa.pub`(clave pública) que se nos generó anteriormente.

```
root@debian:~/.ssh# cat id_rsa.pub
ssh-rsa AAAAB3NzaClyc2EAAAADAQABAAQDAOBqrSsrn7edWthYLxC46ocj9qsFixOk9sKu9fFeM
92soDsm108RpzRRhmWnuNjmUnppb3C8NFp9avMTumb1/8KIsDKxbVg0OgkxRjjxN3E146O0rv1VB/Esx
5mv6b64H3utOxzhdMzNgGIfmRCPL04oWOXmcALIBOcZGQUHjSY+UfKdoUkbkx6a4LOsSrZFRyflNE//D
fSLToNCZfyhPe+g3PRbLpDpg/oqwOwXm1hiCRw1V/jyX+hUGeEK/C
PjUZhUa+TnYDJyZ+VzifHvdZDZ7B/xXPaw7GWcPIO7M1/w02QdAXE
root@debian:~/.ssh#
```



- Pegamos el código en openshift.

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Applications **Settings** Help ▾

Settings

i You need to set a public key before you can work with application code

Public Keys

OpenShift uses a public key to securely encrypt the connection between your local machine and your application and to authorize you to upload code. You must create a private and public key on your local machine and then upload the public key before you can connect to your applications' Git repositories or remotely access your applications.

[Learn more about SSH keys.](#)

Paste the contents of your public key file (.pub)

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQDAOBqrS
srn7edWthYLxC46ocj9qsFixOk9sKu9fFeM92soDs
m1O8RpzRRhmWnuNjmUnppb3C8NFp9avMTum
b1/8KIsDKxbVg0OgkxRjixN3EI46O0rv1VB
/Fsx5mv6h6dH3utOx7hdM7NpGIfmRCPI QdnWQX
```

Save

Settings

✓ Your public key has been created

Public Keys

OpenShift uses a public key to securely encrypt the connection between your local machine and your application and to authorize you to upload code. You must create a private and public key on your local machine and then upload the public key before you can connect to your applications' Git repositories or remotely access your applications.

[SSH keys.](#)

Key name	Type	Contents	
default	ssh-rsa	AAAB3Nza..BEKdaCXP	Delete

Add a new key...

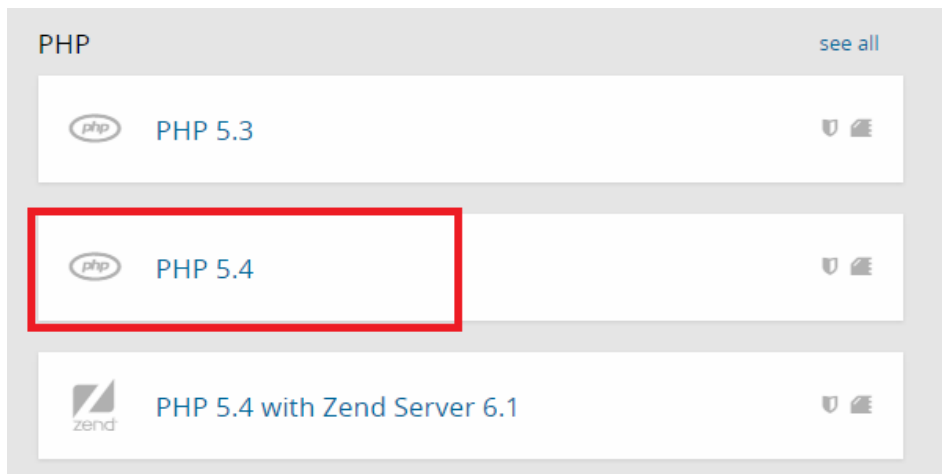
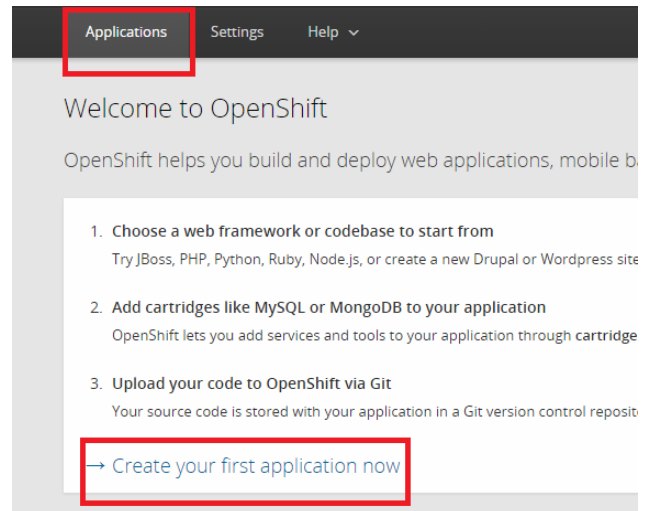
3. Ahora creamos una nueva aplicación.

- vamos a la pestaña **applications** y le damos a crear una aplicación ahora.

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- Elegimos el entorno para nuestro joomla en este caso **php 5.4** y **mysql 5.5**

Nota!! Apache no hace falta , ya viene instalado.



- Nos pedirá ponerle un nombre para acceder a nuestra aplicación y le damos en la parte inferior a **create**.

Based On **PHP 5.4 Cartridge**

PHP is a general-purpose server-side scripting language originally designed for Web development to produce dynamic Web pages. Popular development frameworks include CakePHP, Zend, Symfony, and Code Igniter.

<http://www.php.net>

☆ OpenShift maintained

🛡️ Receives automatic security updates

Public URL

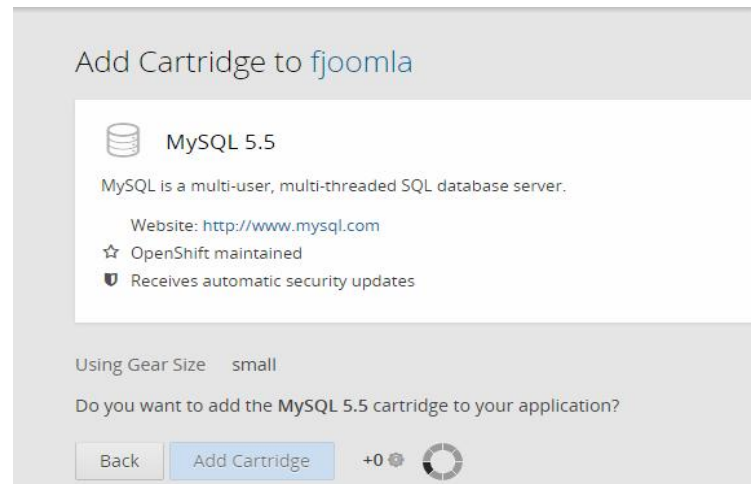
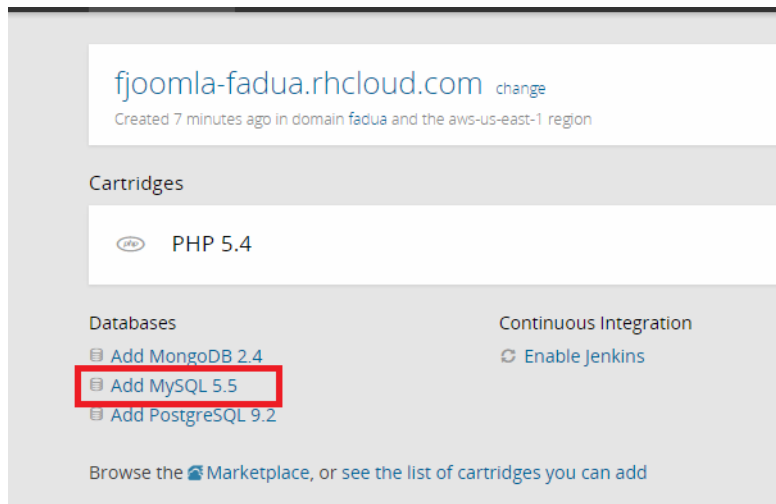
OpenShift will automatically register this domain name for your application. You can add your own domain name later.

Source Code

We'll create a Git code repository in the cloud, and populate it with a set of reasonable defaults. If you provide a Git URL, your application will start with an exact copy of the code and configuration provided in this Git repository.

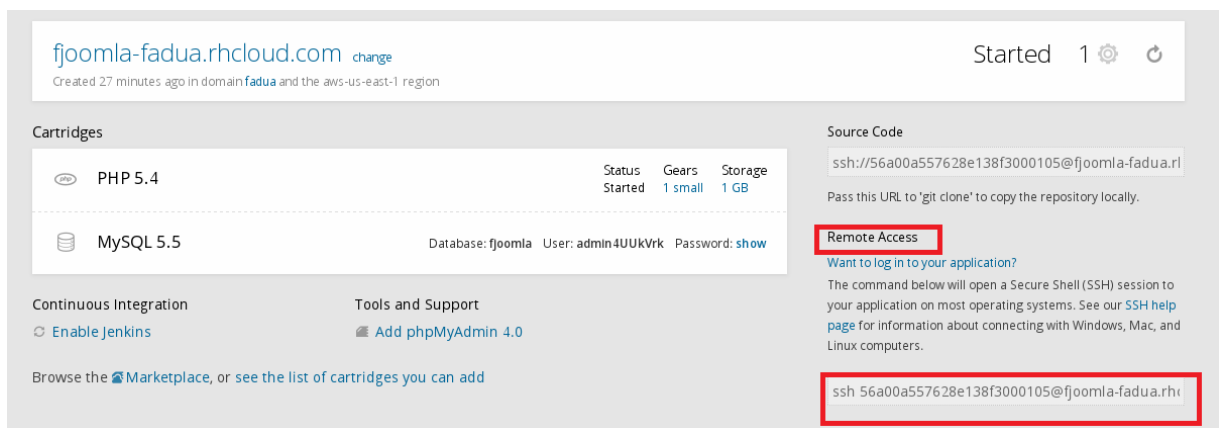
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- Ahora añadimos **mysql5.5**:



4. Clonamos el repositorio a nuestro equipo local:

- Copiando el siguiente código y ponemos en nuestro terminal **git clone** seguido de dicho código:



```
root@debian:/home/fadua# git clone ssh://56a00a557628e138f3000105@fjoomla-fadua.rhcloud.com/~/.git/fjoomla.git/
Cloning into 'fjoomla'...
remote: Counting objects: 19, done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 19 (delta 0), reused 19 (delta 0)
Receiving objects: 100% (19/19), 18.25 KiB | 0 bytes/s, done.
Checking connectivity... done.
```

- Se nos crea la carpeta por defecto en la que podremos subir nuestro material.

```
root@debian:/home/fadua# ls
Descargas  Escritorio  fjoomla  maquinas_vagrant  Plantillas  Vídeos
Documentos fadua      Imágenes  Música            Público
```

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```
root@debian:~/.ssh# ssh 56a00a557628e138f3000105@fjoomla-fadua.rhcloud.com
The authenticity of host 'fjoomla-fadua.rhcloud.com (54.173.38.62)' can't be est
ablished.
RSA key fingerprint is cf:ee:77:cb:0e:fc:02:d7:72:7e:ae:80:c0:90:88:a7.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'fjoomla-fadua.rhcloud.com,54.173.38.62' (RSA) to the
list of known hosts.
```

```
*****
```

```
You are accessing a service that is for use only by authorized users.
If you do not have authorization, discontinue use at once.
Any use of the services is subject to the applicable terms of the
agreement which can be found at:
https://www.openshift.com/legal
```

```
*****
```

```
Welcome to OpenShift shell
```

```
This shell will assist you in managing OpenShift applications.
```

```
!!! IMPORTANT !!! IMPORTANT !!! IMPORTANT !!!
Shell access is quite powerful and it is possible for you to
accidentally damage your application. Proceed with care!
If worse comes to worst, destroy your application with "rhc app delete"
and recreate it
!!! IMPORTANT !!! IMPORTANT !!! IMPORTANT !!!
```

```
Type "help" for more info.
```

```
[fjoomla-fadua.rhcloud.com 56a00a557628e138f3000105]\> █
```

```
root@debian:/home/fadua# git config --global user.name fadua
root@debian:/home/fadua# git config --global user.mail fadu91@hotmail.com
root@debian:/home/fadua#
```

```
root@debian:/home/fadua# git config -l
user.name=fadua
user.mail=fadu91@hotmail.com
root@debian:/home/fadua#
```

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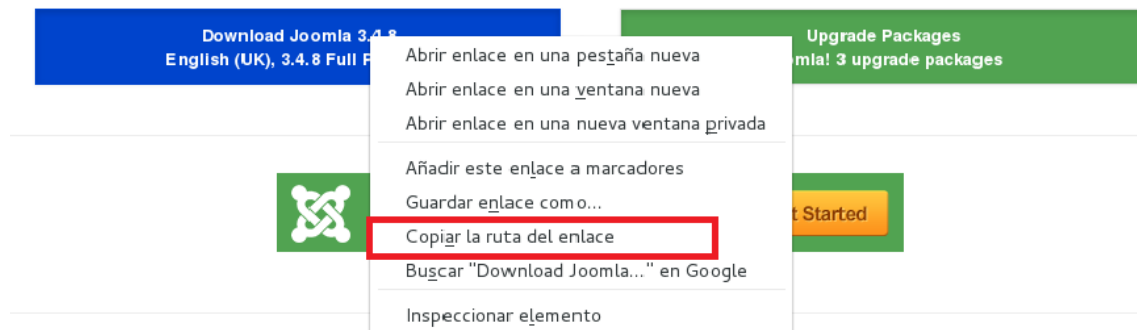
5. Descargamos Joomla:

- Ingresamos en la página oficial de **joomla** y copiamos la **ruta del enlace**.

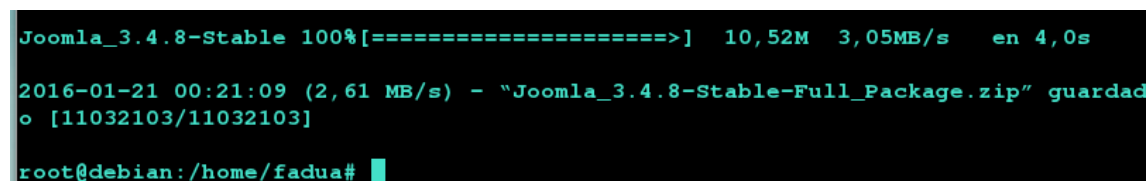
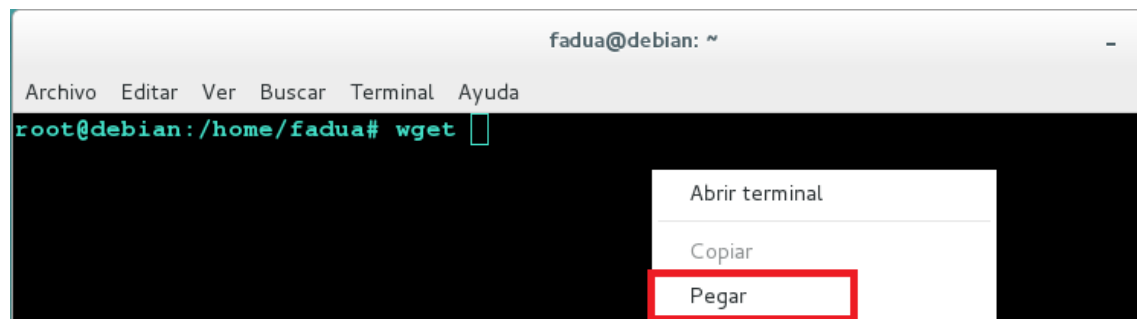
Download Joomla!

Download Joomla! 3

The latest version of Joomla! is 3.4 and includes the [latest and greatest features](#) from the developers supporting Joomla!
Please see the latest [release announcement](#) for more information.



- Luego desde nuestro terminal utilizamos el comando **wget** seguido del link de descarga copiado previamente.



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- Descomprimir en la carpeta **fjoomla** de nuestro entorno openshift.

```
root@debian:/home/fadua# unzip Joomla_3.4.8-Stable-Full_Package.zip -d fjoomla/joomla/
```

6. subimos la carpeta joomla a openshift.

- **Git status** , visualizamos los cambios.

```
root@debian:/home/fadua/fjoomla# git status
On branch master
Your branch is up-to-date with 'origin/master'.
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    joomla/

nothing added to commit but untracked files present (use "git add" to track)
root@debian:/home/fadua/fjoomla#
```

- **git add .** , Registramos los cambios.

```
root@debian:/home/fadua/fjoomla# git add .
root@debian:/home/fadua/fjoomla#
```

```
root@debian:/home/fadua/fjoomla# git commit -m "Instalacion de joomla"
```

```
create mode 100644 joomla/templates/system/images/j_button2_image.png
create mode 100644 joomla/templates/system/images/j_button2_left.png
create mode 100644 joomla/templates/system/images/j_button2_pagebreak.png
create mode 100644 joomla/templates/system/images/j_button2_readmore.png
create mode 100644 joomla/templates/system/images/j_button2_right.png
create mode 100644 joomla/templates/system/images/selector-arrow.png
create mode 100644 joomla/templates/system/index.php
create mode 100644 joomla/templates/system/offline.php
create mode 100644 joomla/tmp/index.html
create mode 100644 joomla/web.config.txt
```

- Enviamos los cambios a nuestro repositorio remoto con **git push**.

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```
root@debian:/home/fadua/fjoomla# git push
warning: push.default is unset; its implicit value has changed in
Git 2.0 from 'matching' to 'simple'. To squelch this message
and maintain the traditional behavior, use:

    git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

    git config --global push.default simple

When push.default is set to 'matching', git will push local branches
to the remote branches that already exist with the same name.

Since Git 2.0, Git defaults to the more conservative 'simple'
behavior, which only pushes the current branch to the corresponding
remote branch that 'git pull' uses to update the current branch
```

7. Iniciamos la instalación de joomla

- Para ello entramos de nuevo en la carpeta fjoomla y luego en la carpeta joomla abrimos el archivo configuration.php:

```
root@debian:/home/fadua# cd fjoomla/
root@debian:/home/fadua/fjoomla# ls
index.php  joomla
root@debian:/home/fadua/fjoomla# cd joomla/
root@debian:/home/fadua/fjoomla/joomla# ls
administrator  configuration.php  installation  LICENSE.txt  README.txt
bin            htaccess.txt      joomla.xml    logs         robots.txt.dist
cache          images            language      media        templates
cli            includes          layouts       modules      tmp
components    index.php         libraries     plugins      web.config.txt
root@debian:/home/fadua/fjoomla/joomla#
```

- Dentro de este archivo pegaremos lo siguiente:

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

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

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

/** MySQL hostname */
define('DB_HOST', getenv('OPENSIFT_MYSQL_DB_HOST') . ':' . getenv('OPENSIFT_M

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

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- De tal manera que nos queda así el archivo:

```
fadua@debian: ~  
Archivo  Editar  Ver  Buscar  Terminal  Ayuda  
GNU nano 2.2.6      Fichero: configuration.php      Modificado  
  
public $access = '1';  
public $debug = '0';  
public $debug_lang = '0';  
public $dbtype = 'mysql';  
public $host = 'getenv('OPENSIFT_MYSQL_DB_HOST') . ':' . getenv('OPENSIFT_MYSQL_DB_PORT');'  
public $user = 'getenv('OPENSIFT_MYSQL_DB_USERNAME')';  
public $password = 'getenv('OPENSIFT_MYSQL_DB_PASSWORD')';  
public $db = 'getenv('OPENSIFT_APP_NAME')';  
public $dbprefix = 'cljlr_';  
public $live_site = '';  
public $secret = 'vcQ4YctyzsWS9p64';  
public $gzip = '0';  
public $error_reporting = 'default';  
public $helpurl = 'https://help.joomla.org/proxy/index.php?option=com_help&keyref=Help{m$';  
public $ftp_host = '';  
public $ftp_port = '';  
public $ftp_user = '';  
public $ftp_pass = '';
```

Subimos los cambios:

```
root@debian:/home/fadua/fjoomla/joomla# git add .  
root@debian:/home/fadua/fjoomla/joomla#  
  
root@debian:/home/fadua/fjoomla# git commit -m "Instalacion de joomla"  
root@debian:/home/fadua/fjoomla# git push  
warning: push.default is unset; its implicit v  
Git 2.0 from 'matching' to 'simple'. To squelc  
and maintain the traditional behavior, use:
```

- Visualizamos en openshift el usuario y contraseña de mysql:

fjoomla-fadua.rhcloud.com [change](#)
Created about 2 hours ago in domain fadua and the aws-us-east-1 region

Cartridges

	Status	Gears	Storage
PHP 5.4	Started	1 small	1 GB
MySQL 5.5	Database: fjoomla User: admin4UUkVrk Password: VgUAz_1Y1JPb		

- Comenzamos la instalación poniendo la url/joomla en este caso es:

<http://fjoomla-fadua.rhcloud.com/joomla/>

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8. Ya tenemos nuestro joomla instalado en la siguiente dirección:

<http://fjoomla-fadua.rhcloud.com/joomla/>

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9. Subimos nuestra documentación a github .

- Ingresamos a nuestro github y creamos un nuevo repositorio y le ponemos un nombre:

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https://github.com

Search GitHub Pull requests Issues Gist

GitHub Bootcamp

- 1 Set up Git**
A quick guide to help you get started with Git.
- 2 Create repositories**
Repositories are where you'll work and collaborate on projects.
- 3 Fork repositories**
Forking creates a new, unique project from an existing one.
- 4 Work together**
Send pull requests, follow friends. Star and watch projects.

practica1290

You've been added to the **owncloudCMF** organization!
Here are some quick tips for a first-time organization member.

Repositories you contribute to
owncloudCMF/owncloud 0 ★

Your repositories **+ New repository**

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner: practica1290

Repository name: **joomla_en_openshift** ✓

Great repository names are short and memorable. Need inspiration? How about **supreme-fiesta**.

Description (optional)

☐ **Public**
Anyone can see this repository. You choose who can commit.

☐ **Private**
You choose who can see and commit to this repository.

☐ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** Add a license: **None**

Create repository

- **Ahora desde nuestro terminal utilizamos git clone mas el link que nos genera dicho repositorio**

fadua / **joomla_en_openshift**

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

Quick setup — if you've done this kind of thing before

Set up in Desktop or **HTTPS** **SSH** **https://github.com/fadua/joomla_en_openshift.git**

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

```
root@debian:/home/fadua# git clone https://github.com/fadua/joomla_en_openshift.git
Cloning into 'joomla_en_openshift'...
warning: You appear to have cloned an empty repository.
Checking connectivity... done.
root@debian:/home/fadua#
```

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- Dentro del repositorio que se no crea pondremos nuestra documentación