

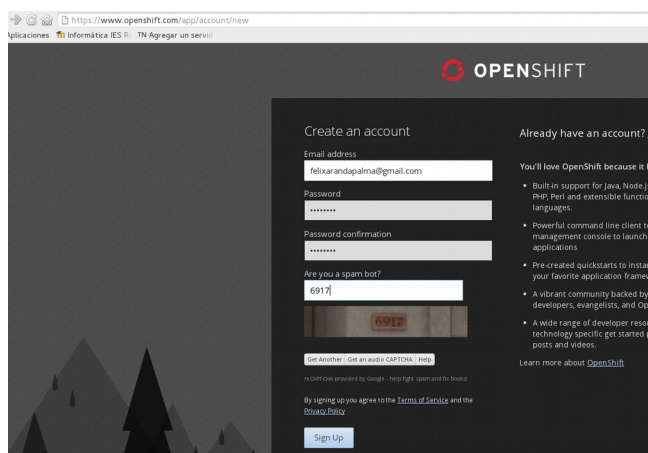


Félix Aranda Palma 2º ASIR

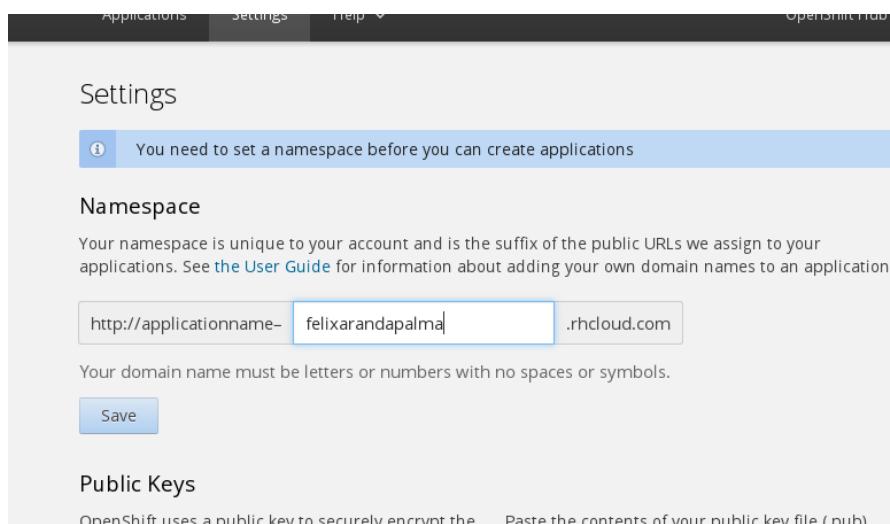
Bloque III: Trabajando con el hosting

Tarea: Despliegue de Joomla en OpenShift

1. Creamos una cuenta en openshift



2. Ponemos un nombre a nuestro dominio





3. Generar el par de claves SSH en mi equipo local

```
felix@felixaranda:~/.ssh$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/felix/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/felix/.ssh/id_rsa.
Your public key has been saved in /home/felix/.ssh/id_rsa.pub.
The key fingerprint is:
c4:89:e4:3d:d6:b2:9c:23:46:a0:4d:ba:b0:48:64:1e felix@felixaranda
The key's randomart image is:
+---[RSA 2048]-----+
|  E  o  .
|+ . = + + o
|.oo . + 0 .
|oo . . + =
|o .   o S
|      . . .
+-----+
felix@felixaranda:~/.ssh$ ls
id_rsa id_rsa.pub known_hosts known_hosts.old
felix@felixaranda:~/.ssh$
```

- Copio el código que se encuentra en id_rsa.pub y lo subo a OpenShift

OPENSIFT ONLINE

Applications Settings Help OpenShift Hub

Settings

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)

The contents of your public key file

Save

Domains



Key name	Type	Contents
default	ssh-rsa	AAAB3Nz
Add a new key...		

3. Vamos a crear un contenedor que contenga PHP 5.4 y MYSQL 5.5

OpenShift lets you add services and tools to your application through **cartridges** - i.e. servers, management tools, and continuous integration servers.

3. **Upload your code to OpenShift via Git**

Your source code is stored with your application in a Git version control repository.

→ [Create your first application now](#)

For more about OpenShift, visit the [OpenShift Developer Portal](#).

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

- Añadimos MYSQL



joomla-felixarandapalma.rhcloud.com [change](#)
Created 2 minutes ago in domain [felixarandapalma](#) and the [aws-us-east-1](#) region

Cartridges

Cartridge	Status	Gears	Storage
PHP 5.4	Started	1 small	1 GB

Databases

- [Add MongoDB 2.4](#)
- [Add MySQL 5.5](#)
- [Add PostgreSQL 9.2](#)

Continuous Integration

- [Enable Jenkins](#)

Browse the [Marketplace](#), or [see the list of cartridges you can add](#)

Add Cartridge to joomla

MySQL 5.5

MySQL is a multi-user, multi-threaded SQL database server.

Website: <http://www.mysql.com>

- ☆ OpenShift maintained
- 🛡️ Receives automatic security updates

Using Gear Size [small](#)

Do you want to add the **MySQL 5.5** cartridge to your application?

[Back](#) [Add Cartridge](#) +0 ⚙️

- Nos ha generado un usuario, la contraseña y la base de datos

Openshift Online Console

<https://openshift.redhat.com/app/console/application/569fac4b7628e1f6380000b4-joomla>

Informática IES R... TN Agregar un servid...

OPENSIFT ONLINE Upgrade Plan felixarandapalma@gmail.com

Applications Settings Help OpenShift Hub

joomla-felixarandapalma.rhcloud.com [change](#) Started 1 ⚙️ ↻

Created about 3 hours ago in domain [felixarandapalma](#) and the [aws-us-east-1](#) region

✓ MySQL 5.5 database added. Please make note of these credentials:

```
Root User: adminTqe31j2
Root Password: b4de6aH62KYS
Database Name: joomla

Connection URL: mysql://$OPENSHIFT_MYSQL_DB_HOST:$OPENSHIFT_MYSQL_DB_PORT/
```

You can manage your new MySQL database by also embedding phpmyadmin.
The phpmyadmin username and password will be the same as the MySQL credentials above.

Cartridges

Cartridge	Status	Gears	Storage
PHP 5.4	Started	1 small	1 GB
MySQL 5.5	Database: joomla User: adminTqe31j2 Password: show		

Source Code

```
ssh://569fac4b7628e1f6380000b4-joomla
```

Pass this URL to 'git clone' to copy the repository locally.

Remote Access

[Want to log in to your application?](#)

[Delete this application...](#)

Continuous Integration

- [Enable Jenkins](#)

Tools and Support

- [Add phpMyAdmin 4.0](#)



- Clonamos nuestro repositorio de openshift en nuestro equipo local.

```
felix@felixaranda:~$ git clone ssh://569fac  
oud.com/~/.git/joomla.git/  
Cloning into 'joomla'...  
Warning: Permanently added the RSA host key  
known hosts.  
remote: Counting objects: 19, done.  
remote: Compressing objects: 100% (15/15),  
remote: Total 19 (delta 0), reused 19 (delt  
Receiving objects: 100% (19/19), 18.25 KiB  
Checking connectivity... done.
```

```
felix@felixaranda:~$ cd joomla/  
felix@felixaranda:~/joomla$ git commit -a -m "mi joomla"  
On branch master  
Your branch is up-to-date with 'origin/master'.  
nothing to commit, working directory clean  
felix@felixaranda:~/joomla$ git push  
warning: push.default is unset; its implicit value has ch  
Git 2.0 from 'matching' to 'simple'. To squelch this mess  
and maintain the traditional behavior, use
```

4. Nos bajamos el paquete Joomla utilizando wget, lo descomprimos en el repositorio local para luego subirlo a Openshift

```
felix@felixaranda:~$ wget https://github.com/joomla/joomla-cms/releases/download/3.4.8/Joo  
mla_3.4.8-Stable-Full_Package.zip  
D--2016-01-19 20:32:20-- https://github.com/joomla/joomla-cms/releases/download/3.4.8/Joom  
la_3.4.8-Stable-Full_Package.zip  
Resolviendo github.com (github.com)... 192.30.252.131  
Conectando con github.com (github.com)[192.30.252.131]:443... conectado.
```

- Creamos una carpeta y descomprimos en ella

```
felix@felixaranda:~/joomla$ mkdir jmla  
felix@felixaranda:~/joomla$ cd ..  
felix@felixaranda:~$ unzip Joomla_3.4.8-Stable-Full_Package.zip -d joomla/jmla/
```



- Colocamos las variables de openhift en el fichero de configuracion de joomla.

```
felix@felixaranda: ~/joomla/jmla

Archivo  Editar  Ver  Buscar  Terminal  Ayuda
GNU nano 2.2.6      Fichero: installation/configuration.php-dist

/* Database Settings */
public $dbtype = 'mysqli';           // Normally mysqli
public $host = 'localhost';         // This is normally set
public $user = 'getenv('OPENSIFT_MYSQL_DB_USERNAME')';
public $password = 'getenv('OPENSIFT_MYSQL_DB_PASSWORD')';
public $db = 'getenv('OPENSIFT_APP_NAME')';
public $dbprefix = 'jos_';          // Do not change unless
```

- Subimos los archivos al repositorio de joomla.

```
felix@felixaranda:~/joomla$ git add *
felix@felixaranda:~/joomla$ git commit -m "Despliega inicial Joomla"
```

```
felix@felixaranda:~/joomla$ git push
warning: push.default is unset; its implied to be false now.
Git 2.0 from 'matching' to 'simple'. To s
```

- Iniciamos la instalación de Joomla y rellenamos los datos necesarios:

<http://joomla-felixarandapalma.rhcloud.com/jmla/installation/index.php>



- Ponemos el nombre de usuario, de la base de datos la contraseña que nos ha proporcionado Openshift al instalar MySQL.

Configuración de la base de datos

← Anterior

base de datos *
Probablemente sea "mysqli"

Hospedaje *
Normalmente es "localhost"

Usuario *
Algo como "root" o un nombre de usuario facilitado por quien le sirve

Contraseña
Por cuestiones de seguridad, es primordial usar una contraseña para la base de datos.

Base de datos *
En algunos hospedajes solo se permite el nombre específico de un sitio. En esos casos, si le interesa instalar más de un sitio, puede usar las tablas para distinguir entre los sitios de Joomla! que usen la misma base de datos.

Prefixo de las tablas *
Elija un prefijo para la base de datos o use el **generado aleatoriamente**, es que sea de tres o cuatro caracteres de largo y que contenga solo caracteres alfanuméricos, y DEBE acabar con un guión bajo. **Asegúrese de que el prefijo no sea igual al nombre de la base de datos.**

- Finalizamos la instalación.





Enlaces Openshift → <http://joomla-felixarandapalma.rhcloud.com/jmla/>