

Tarea: Despliegue de Joomla en OpenShift

[Escribir el subtítulo del documento]

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1. Creación de un nuevo Namespace:

-En la pestaña "settings" indicar el nombre de tu namespace y crearlo pulsando el botón "save".

The screenshot shows the OpenShift Online web interface. At the top, there's a navigation bar with 'Applications', 'Settings', and 'Help'. The 'Settings' tab is active. Below the navigation bar, there's a 'Settings' section with a message: 'You need to set a namespace before you can create applications'. Underneath, there's a 'Namespace' section with a description: 'Your namespace is unique to your account and is the suffix of the public URLs we assign to your applications. See the User Guide for information about adding your own domain names to an application.' There's a text input field with 'http://applicationname-' on the left, 'mjosejapon' in the middle, and '.rhcloud.com' on the right. Below the input field, there's a note: 'Your domain name must be letters or numbers with no spaces or symbols.' and a 'Save' button. At the bottom of the screenshot, there's a green success message: 'The domain 'mjosejapon' has been created'.

2. Crea las claves ssh e incorporarlas a OpenShift. Si ya existen las borras y las vuelves a crear.

-Para crear las claves debemos abrir una maquina Linux y ejecutar el comando "ssh-keygen".

Dejamos el directorio donde se guardaran por defecto y las contraseñas en blanco para que la genere el sistema.

```
mjose@mjose:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/mjose/.ssh/id_rsa):
Created directory '/home/mjose/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/mjose/.ssh/id_rsa.
Your public key has been saved in /home/mjose/.ssh/id_rsa.pub.
The key fingerprint is:
32:3f:0e:7e:1c:f7:db:62:27:fa:22:9c:e7:1e:62:d4 mjose@mjose
The key's randomart image is:
+---[RSA 2048]-----+
|
|  o S E
|  =. .
|  .O+=..
|  .+*00.=..
|  ...+=0=.
|
+-----+

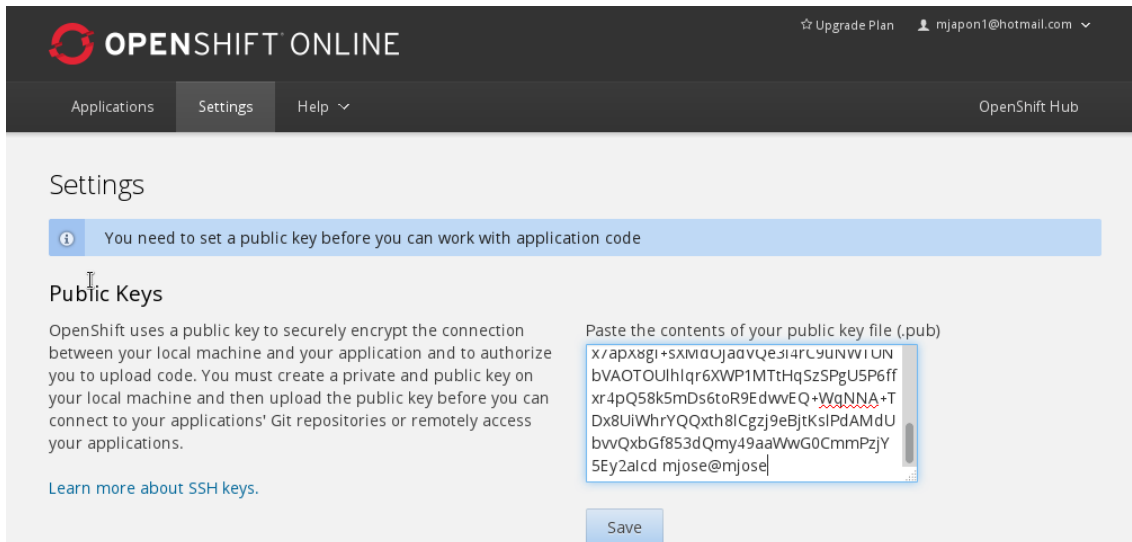
```

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Una vez generadas las contraseñas copiamos la clave pública generada y la pegamos en el recuadro de la página de Openshift indicado para ello y guardar con "save".

```
mjose@mjose:~/ssh$ cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQChTUnfu/A3nJ9rekVbNnkCl77URFj4FmcGdaFwwgx
3L5UxTVb28sGYHA5W2v1nw0Gv4Bi1CMSHzQUkchSQE4kgSgWdm82oxcKMmTPuZFY9fj6FjAyLQgEXa0Y
htGcr48fpW7g1kYA0y/hb02ZbLZBoL50uol+HnfVHKPj0P0R0BJLx7apX8gI+sXmd0jadVQe3L4rC9uN
WTUNbVA0TOUhlqr6XWP1MTtHqSzSPgU5P6ffxr4pQ58k5mDs6toR9EdwvEQ+WqNNA+TDx8UiWhrYQQx
th8LCgzj9eBjtKslPdAMdUbbvQxbGf853dQmy49aaWwG0CmmPzjY5Ey2aIcd mjose@mjose
```



OPENSIFT ONLINE Upgrade Plan mjapon1@hotmail.com

Applications Settings Help OpenShift Hub

Settings

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

Public Keys

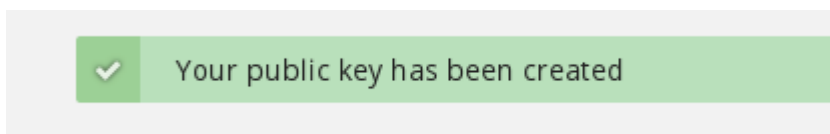
OpenShift uses a public key to securely encrypt the connection between your local machine and your application and to authorize you to upload code. You must create a private and public key on your local machine and then upload the public key before you can connect to your applications' Git repositories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

[Learn more about SSH keys.](#)

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

```
x/apx8gi+sXmdUjaavQe3i4rC9uNwIUN
bVAOTOUhlqr6XWP1MTtHqSzSPgU5P6ff
xr4pQ58k5mDs6toR9EdwvEQ+WqNNA+T
Dx8UiWhrYQQxth8LCgzj9eBjtKslPdAMdU
bvQxbGf853dQmy49aaWwG0CmmPzjY
5Ey2aIcd mjose@mjose
```

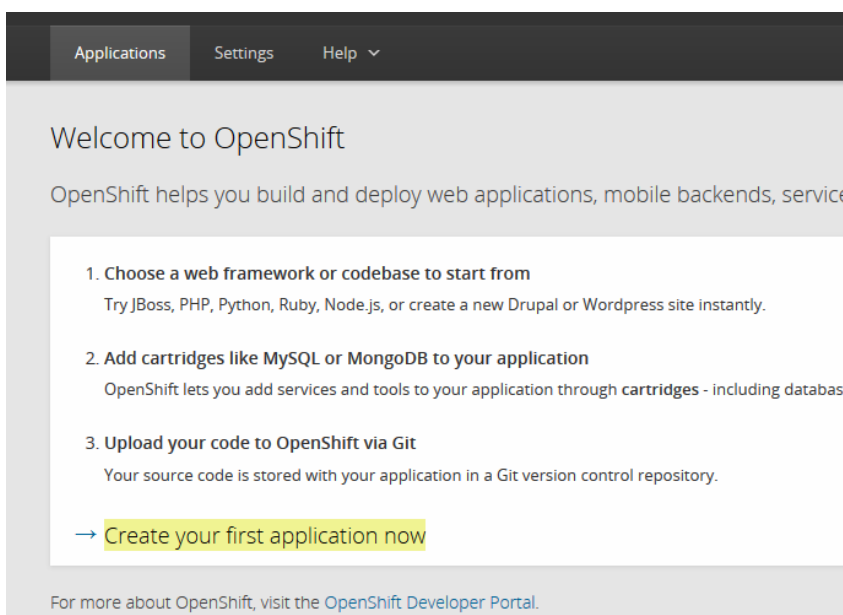
Save



✓ Your public key has been created

3. Crea una nueva aplicación: joomla basada en PHP 5.4. Añádele MYSQL 5.5.

-En la pestaña "Applications" le damos a "Create your first application now" ya que aún no tenemos ninguna aplicación creada y esta será la primera.



Applications Settings Help

Welcome to OpenShift

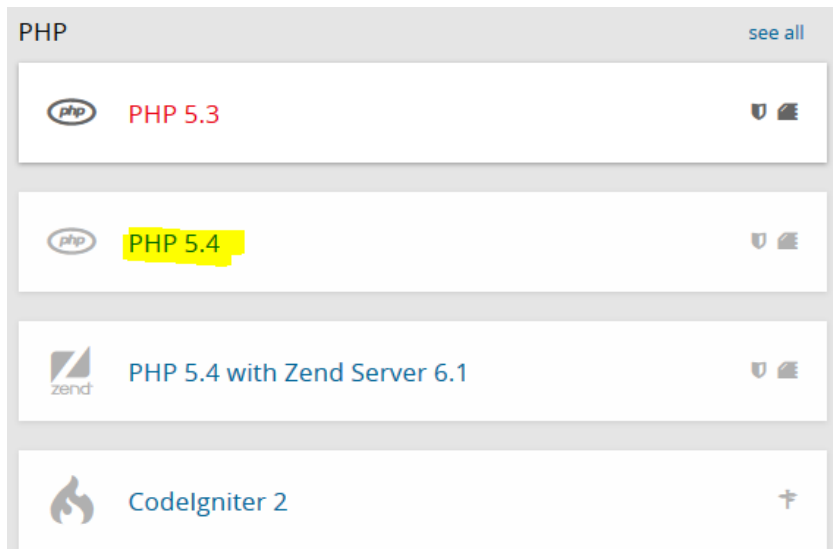
OpenShift helps you build and deploy web applications, mobile backends, services

- Choose a web framework or codebase to start from**
Try JBoss, PHP, Python, Ruby, Node.js, or create a new Drupal or Wordpress site instantly.
- Add cartridges like MySQL or MongoDB to your application**
OpenShift lets you add services and tools to your application through **cartridges** - including databases
- Upload your code to OpenShift via Git**
Your source code is stored with your application in a Git version control repository.

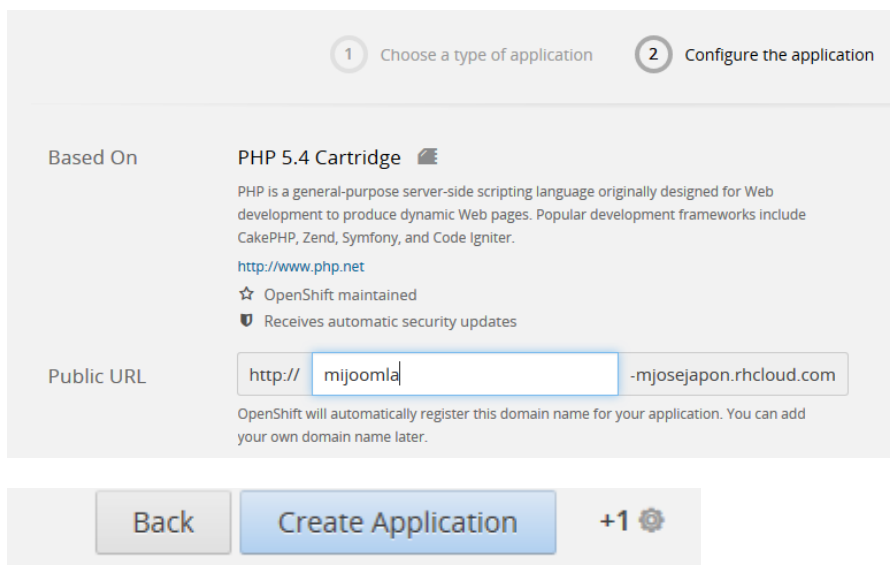
→ **Create your first application now**

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

-Lo primero que debemos seleccionar es el lenguaje en el que estará basada nuestra aplicación, en este caso , PHP 5.4.



En dicamos el nombre de nuestra aplicación y creamos la aplicación.



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Una vez creada te aparece la url de github donde se encuentra tu aplicación.

Your application has been created. [Continue to the application overview page.](#)

Making code changes

Install the Git client for your operating system, and from your command line run

```
git clone ssh://569d35b82d527128470000c8@mijoomla-mjosejapon.rhcloud.com/~/.git
/mijoomla.git/
cd mijoomla/
```

This will create a folder with the source code of your application. After making a change, **add**, **commit**, and **push** your changes.

```
git add .
git commit -m 'My changes'
git push
```

When you push changes the OpenShift server will report back its status on deploying your code. The server will run any of your configured [deploy hooks](#) and then restart the application.

Ahora vamos a añadirle MySQL 5.5

[mijoomla-mjosejapon.rhcloud.com](#) [change](#)

Created 8 minutes ago in domain [mjosejapon](#) and the [aws-us-east-1](#) region

Cartridges

| | | | |
|---|-------------------|------------------|-----------------|
|  PHP 5.4 | Status Started | Gears 1 small | Storage 1 GB |
|---|-------------------|------------------|-----------------|

Databases

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

Continuous Integration

- [Enable Jenkins](#)

Add Cartridge to [mijoomla](#)



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 

Una vez instalado MySQL nos indican la información de la base de datos y usuario que se ha creado.

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

    Root User: adminBXadVj9
    Root Password: Vw9Cmry-ILwY
    Database Name: mijoomla

    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.
```

4. Clonamos el repositorio remoto a nuestro equipo local.

Para clonar debemos copiar la url de github donde se encuentra nuestra aplicación:

Source Code

```
ssh://569d35b82d527128470000c8@mijoor
```

Ejecutamos el comando git clone "url" para clonarlo:

```
mjose@mjose:~$ git clone ssh://569d35b82d527128470000c8@mijoomla-mjosejapon.rhcloud.com/~git/mijoomla.git/
Cloning into 'mijoomla'...
The authenticity of host 'mijoomla-mjosejapon.rhcloud.com (52.6.201.146)' can't be established.
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 'mijoomla-mjosejapon.rhcloud.com,52.6.201.146' (RSA) to the list of known hosts.
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.
```

5. Nos descargamos Joomla utilizando wget y lo descomprimos en nuestro entorno de OpenShift.

```
mjose@mjose:~$ wget https://github.com/joomla/joomla-cms/releases/download/3.4.8/Joomla_3.4.8-Stable-Full_Package.zip
```

Creamos una carpeta en nuestro directorio creado al clonar nuestra aplicación y descomprimos ahí Joomla.

```
mjose@mjose:~/mijoomla$ mkdir joomla
mjose@mjose:~/mijoomla$ ls
index.php  joomla
```

```
mjose@mjose:~$ unzip Joomla_3.4.8-Stable-Full_Package.zip -d /home/mjose/mijoomla/joomla/
```

6. Lo subimos a OpenShift.

Vemos los cambios:

```
mjose@mjose:~/mijoomla$ git status
```

Añadimos los cambios:

```
mjose@mjose:~/mijoomla$ git add .
```

Guardamos esos cambios:

```
mjose@mjose:~/mijoomla$ git commit -m "Primer despliegue de Joomla"
```

Subimos los cambios a github:

```
mjose@mjose:~/mijoomla$ 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
```

7. Iniciamos la instalación utilizando variables de entorno.

Editamos el fichero de configuración de Joomla e indicamos las variables de entorno:

```
GNU nano 2.2.6 Fichero: configuration.php

/* Database Settings */
public $dbtype = 'mysqli'; // Normally mysqli
public $host = 'getenv('OPENSIFT_MYSQL_DB_HOST') . ':' . getenv('OPENSIFT_MYSQL_DB_PORT')';
public $user = 'getenv('OPENSIFT_MYSQL_DB_USERNAME')'; // DB username
public $password = 'getenv('OPENSIFT_MYSQL_DB_PASSWORD')'; // DB password
public $db = 'getenv('OPENSIFT_APP_NAME')'; // DB database name
public $dbprefix = 'jos_'; // Do not change unless you need to!
```

Ya solo tenemos que subir los cambios a github para poder seguir con la instalación de nuestro Joomla:

```
mjose@mjose:~/mijoomla$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)
```

```
modified:   joomla/installation/configuration.php-dist
```

```
Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

```
joomla/installation/configuration.php
```

```
no changes added to commit (use "git add" and/or "git commit -a")
```

```
mjose@mjose:~/mijoomla$ git add .
mjose@mjose:~/mijoomla$ git commit -m "Modificacion de configuration.php"
[master 7d0f1101] Modificacion de configuration.php
1 file changed, 1 insertion(+), 1 deletion(-)

mjose@mjose:~/mijoomla$ git push
```

Ya solo queda realizar la instalación desde la url que t indica en openshift para "mijoomla"

mijoomla-mjosejapon.rhcloud.com [change](#)
Created about 1 hour ago in domain [mjosejapon](#) and the [aws-us-east-1](#) region

The screenshot shows the Joomla! installation configuration page. The browser address bar shows the URL `mijoomla-mjosejapon.rhcloud.com/joomla/installation/index.php#`. The page has three tabs: **1 Configuración** (active), **2 Base de datos**, and **3 Visión general**. The main heading is **Configuración de la base de datos**. Navigation buttons **← Anterior** and **→ Siguiente** are visible. The configuration fields are as follows:

- Tipo de base de datos ***: `MySQL` (dropdown menu). Below it, text says: "Probablemente sea 'mysql'".
- Hospedaje ***: `localhost` (text input). Below it, text says: "Normalmente es 'localhost'".
- Usuario ***: `adminBXadVj9` (text input). Below it, text says: "Algo como 'root' o un nombre de usuario facilitado por quien le sirva el hospedaje".
- Contraseña**: `.....` (password input field). Below it, text says: "Por cuestiones de seguridad, es primordial usar una contraseña para la cuenta de su base de datos."
- Base de datos ***: `mijoomla` (text input). Below it, text says: "En algunos hospedajes solo se permite el nombre específico de una base de datos por sitio. En esos casos, si le interesa instalar más de un sitio, puede usar el prefijo de las tablas para distinguir entre los sitios de Joomla! que usen la misma base de datos."
- Prefijo de las tablas ***: `p8bof_` (text input).

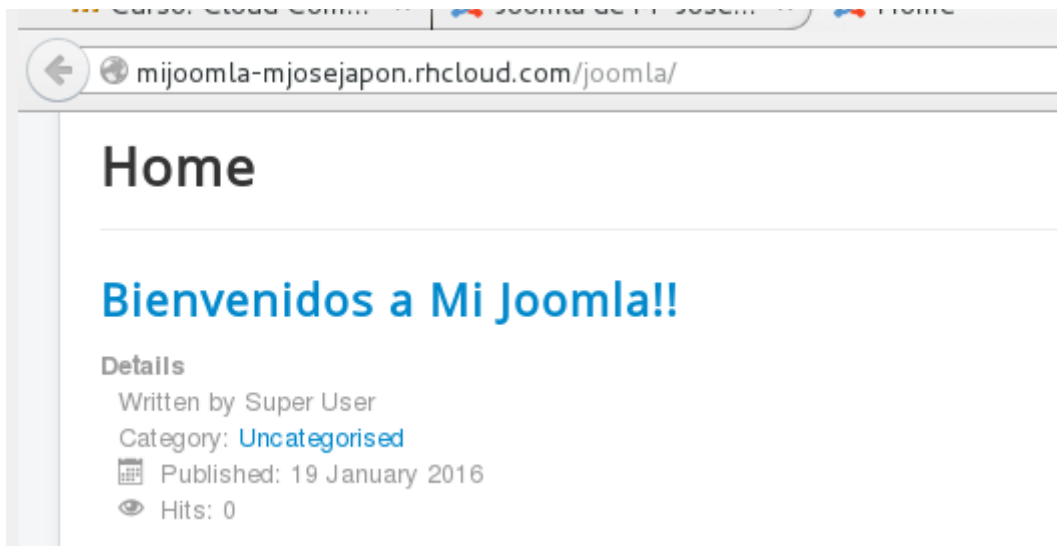
¡Felicidades! Ahora Joomla! ya está instalado.

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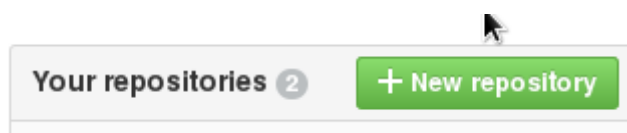
8. Proporciona el enlace para poder ver el resultado final.



mijoomla-mjosejapon.rhcloud.com/joomla/

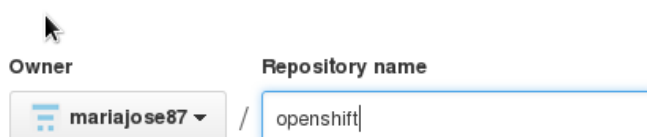
9. Sube la documentación a github y proporciona el enlace.

Ir a github y añadir un nuevo repositorio.



Create a new repository

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



Una vez creado copiar url y descargarlo en local:

HTTPS ▼ https://github.com/mariajose87

```
mjose@mjose:~$ git clone https://github.com/mariajose87/openshift.git
Cloning into 'openshift'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.
mjose@mjose:~$ ls
Descargas  Imágenes  Música  Público
Documentos Joomla_3.4.8-Stable-Full_Package.zip openshift Vídeos
Escritorio mijoomla  Plantillas
```

Añadir la tarea a la carpeta creada Openshift:

```
mjose@mjose:~$ mv Tarea.Despliegue_de_Joomla_en_Openshift.pdf /home/mjose/openshift/
mjose@mjose:~$ cd openshift/
mjose@mjose:~/openshift$ ls
README.md Tarea.Despliegue_de_Joomla_en_Openshift.pdf
mjose@mjose:~/openshift$ 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)

    Tarea.Despliegue_de_Joomla_en_Openshift.pdf

nothing added to commit but untracked files present (use "git add" to track)
```

Añadir, guardar y subir los cambios a github:

```
mjose@mjose:~/openshift$ git add .
mjose@mjose:~/openshift$ git commit -m "Tarea Despliegue de Joomla en OpenShift"
[master 5dd2112] Tarea Despliegue de Joomla en OpenShift
Committer: mjose <mjose@mjose>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Tarea_Despliegue_de_Joomla_en_Openshift.pdf

mjose@mjose:~/openshift$ git push
```

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10. Proporciona un enlace a tu repositorio github.

<https://github.com/mariajose87/openshift/>