

Crear y configurar contenedor para usar Jenkins

1. Buscar la imagen de Jenkins en Docker Hub



Nombre de la imagen: jenkins/Jenkins.

Descripción: servidor de integración y entrega continuas Jenkins.

2. Descargar la imagen de Jenkins con Docker

Comando usado: docker pull jenkins/jenkins:lts

```
H:\>docker pull jenkins/jenkins:lts
lts: Pulling from jenkins/jenkins
7ad60f966cc5: Pull complete
406f94702a48: Pull complete
57364cf49183: Pull complete
39483126681f: Pull complete
e92c5cf141dc: Pull complete
53c88f1dfef7: Pull complete
17e22d939f17: Pull complete
5b302cbb8ad3: Pull complete
alc44ba8dd7a: Pull complete
99ddb13f3ebf: Pull complete
ed559592686a: Pull complete
213d96e0ed06: Pull complete
Digest: sha256:d1ea795c6facd7f549a21c40e5e43ffcc5fbc5f48683d9b24750f26e8079d772
Status: Downloaded newer image for jenkins/jenkins:lts
docker.io/jenkins/jenkins:lts
```

3. Crear y ejecutar el contenedor Jenkins

3.1 Crear un volumen/carpeta para persistir datos

```
H:\>mkdir C:\jenkins_home
```

Comando usado: mkdir C:\jenkins_home

Descripción: esa carpeta se usará para guardar la configuración de Jenkins.

Arrancamos Docker Desktop

```
PS C:\Users\rebecapf26> docker run -d `
>> --name jenkins2 `
>> -p 9090:8080 `
>> -p 50001:50000 `
>> -v C:\jenkins_home2:/var/jenkins_home `
>> jenkins/jenkins:lts
214e2a9c6e70b69c06f119fd67648cbc28e003129eb7d609a49fbff74c1bc127
PS C:\Users\rebecapf26> |
```

Comando usado: (En mi caso uso el puerto 9090 ya que el 8080 está ocupado)

```
docker run -d `
--name jenkins2 `
-p 9090:8080 `
-p 50001:50000 `
-v C:\jenkins_home2:/var/jenkins_home `
jenkins/jenkins:lts
```

Descripción:

-d → modo “detached” (en segundo plano).

--name jenkins → nombre del contenedor.

-p 8080:8080 → expone Jenkins en el puerto 8080 de tu máquina.

-p 50000:50000 → puerto para agentes Jenkins (lo dejamos preparado).

-v ...:/var/jenkins_home → volumen para persistir datos.

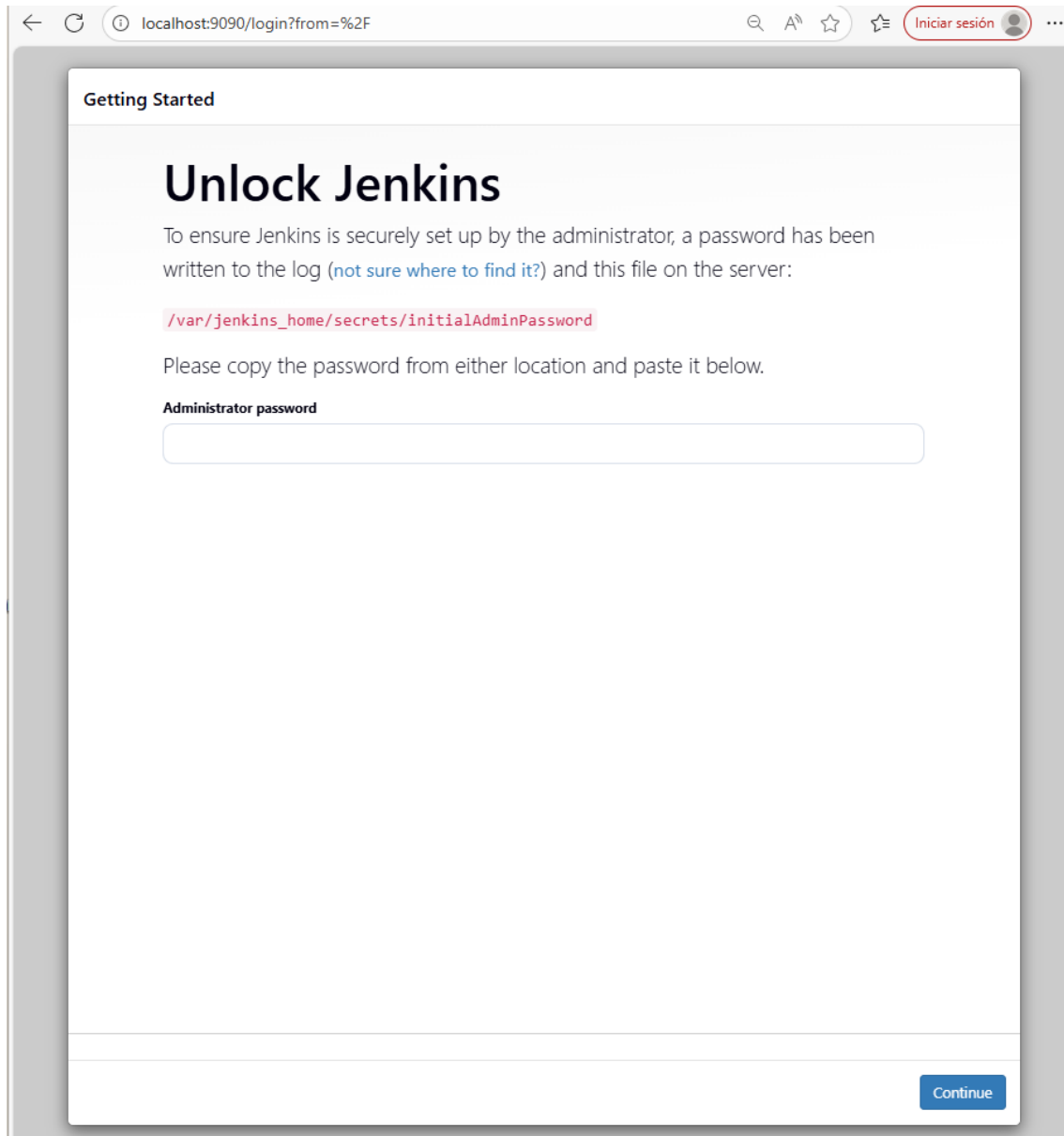
jenkins/jenkins:lts → imagen que usamos.

4. Comprobar que el contenedor está en marcha

```
PS C:\Users\rebecapf26> docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
214e2a9c6e70   jenkins/jenkins:lts   "/usr/bin/tini -- /u..."   About a minute ago   Up About a minute   0.0.0.0:9090->8080/tcp, 0.0.0.0:50001->50000/tcp
PS C:\Users\rebecapf26> |
```

5. Acceder a Jenkins en el navegador

<http://localhost:9090>



5.1 Obtener la contraseña inicial de Jenkins

Comando usado: `docker exec -it jenkins2 cat /var/jenkins_home/secrets/initialAdminPassword`

```
PS C:\Users\rebecapf26> docker exec -it jenkins2 cat /var/jenkins_home/secrets/initialAdminPassword
06e4395beb6846d89d643967e4621fa0
PS C:\Users\rebecapf26> |
```

Getting Started

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Bienvenido a Jenkins

Plugins extend Jenkins with additional features to support many different needs.

Install suggested plugins

Install plugins the Jenkins community finds most useful.

Select plugins to install

Select and install plugins most suitable for your needs.

6. Desbloquear Jenkins y configuración inicial

Getting Started

Create First Admin User

Usuario

Rebeca

Contraseña

.....

Confirma la contraseña

.....

Nombre completo

Rebeca Pavón Fernández

Dirección de email

rebecapf63@educastur.es

Getting Started

Instance Configuration

Jenkins URL:

http://localhost:9090/

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the `BUILD_URL` environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Getting Started

Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins



Jenkins



+ Nueva Tarea

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Historial de trabajos

Trabajos en la cola

No hay trabajos en la cola

Estado del ejecutor de construcciones 0/2

¡Bienvenido a Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job



Set up a distributed build

Set up an agent



Configure a cloud



Learn more about distributed builds

