

Despliegue JENKINS en AWS



Jenkins

Creamos la instancia en AWS, utilizamos el tipo de instancia 't2.medium' por los requisitos de memoria.

Habilitamos los puertos HTTP y HTTPS.

Instalamos JAVA 21

```
ubuntu@ip-172-31-39-237:~$ sudo apt install -y fontconfig openjdk-21-jre
Installing:
  fontconfig  openjdk-21-jre
```

Descargamos jenkins del enlace proporcionado.

```
ubuntu@ip-172-31-39-237:~$ wget https://updates.jenkins.io/latest/jenkins.war
--2026-05-06 08:08:43-- https://updates.jenkins.io/latest/jenkins.war
Resolving updates.jenkins.io (updates.jenkins.io)... 128.24.70.119, 2603:1030:408:3::2bd
Connecting to updates.jenkins.io (updates.jenkins.io)|128.24.70.119|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://updates.jenkins.io/download/war/2.563/jenkins.war [following]
--2026-05-06 08:08:43-- https://updates.jenkins.io/download/war/2.563/jenkins.war
Reusing existing connection to updates.jenkins.io:443.
HTTP request sent, awaiting response... 302 Found
Location: https://get.jenkins.io/war/2.563/jenkins.war [following]
--2026-05-06 08:08:43-- https://get.jenkins.io/war/2.563/jenkins.war
Resolving get.jenkins.io (get.jenkins.io)... 128.24.70.119, 2603:1030:408:3::2bd
Connecting to get.jenkins.io (get.jenkins.io)|128.24.70.119|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://ftp-nyc.osuosl.org/pub/jenkins/war/2.563/jenkins.war [following]
--2026-05-06 08:08:43-- https://ftp-nyc.osuosl.org/pub/jenkins/war/2.563/jenkins.war
Resolving ftp-nyc.osuosl.org (ftp-nyc.osuosl.org)... 64.50.233.100, 2600:3404:200:237::2
Connecting to ftp-nyc.osuosl.org (ftp-nyc.osuosl.org)|64.50.233.100|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 101045132 (96M) [application/x-java-archive]
Saving to: 'jenkins.war'

jenkins.war      100%[=====>] 96.36M  92.0MB/s   in 1.0s

2026-05-06 08:08:44 (92.0 MB/s) - 'jenkins.war' saved [101045132/101045132]
```

Comprobamos que se ha instalado el paquete

```
ubuntu@ip-172-31-39-237:~$ ls
jenkins.war
```

Habilitamos el puerto 8080 en la instancia

▼ Reglas de entrada

🔍 Filtrar reglas < 1 >

Nombre	ID de la regla del grupo d...	Intervalo de pu...	Protocolo	Origen	Grupos de seguridad	Descripción
-	sgr-0b3c772e264ee6a8b	8080	TCP	0.0.0.0/0	launch-wizard-5	Jenkins
-	sgr-0f4d2d7e2c484bfe1	80	TCP	0.0.0.0/0	launch-wizard-5	-
-	sgr-0b6e2db4e504fb26f	22	TCP	0.0.0.0/0	launch-wizard-5	-
-	sgr-0ece8a24aadeb46c8	443	TCP	0.0.0.0/0	launch-wizard-5	-

Iniciamos el servicio

```
ubuntu@ip-172-31-39-237:~$ java -jar jenkins.war --httpPort=8080
Running from: /home/ubuntu/jenkins.war
webroot: /home/ubuntu/.jenkins/war
2026-05-06 08:09:29.978+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2026-05-06 08:09:30.637+0000 [id=1] WARNING o.e.j.ee9.nested.ContextHandler#setContextPath: Empty contextPath
```

Accedemos en la web, mediante HTTP al puerto 8080 de la instancia

⚠ No es seguro 34.226.222.129:8080/login?from=%2F

Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

```
/home/ubuntu/.jenkins/secrets/initialAdminPassword
```

Please copy the password from either location and paste it below.

Administrator password

Utilizamos la contraseña que aparece en la consola

```
Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:
```

```
c35a2f1e519d472d925cbab437a6ff55
```

```
This may also be found at: /home/ubuntu/.jenkins/secrets/initialAdminPassword
```

Nos aparecerá la pantalla de inicio del programa.

Getting Started ×

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.

Instalamos los plugins recomendados.

Getting Started

The screenshot shows the 'Getting Started' page in Jenkins. At the top, there is a progress bar. Below it, a table lists various plugins. The first row shows four plugins with green checkmarks, indicating they are installed: Folders, OWASP Markup Formatter, Build Timeout, and Credentials Binding. The subsequent rows show plugins with circular refresh icons, indicating they are not yet installed: Timestampper, Workspace Cleanup, Ant, Gradle, Pipeline, GitHub Branch Source, Pipeline: GitHub Groovy Libraries, Pipeline Graph View, Git, SSH Build Agents, Matrix Authorization Strategy, LDAP, Email Extension, Mailer, and Dark Theme.

✓ Folders	✓ OWASP Markup Formatter	✓ Build Timeout	✓ Credentials Binding
✓ Timestampper	🔄 Workspace Cleanup	🔄 Ant	🔄 Gradle
🔄 Pipeline	🔄 GitHub Branch Source	🔄 Pipeline: GitHub Groovy Libraries	🔄 Pipeline Graph View
🔄 Git	🔄 SSH Build Agents	🔄 Matrix Authorization Strategy	🔄 LDAP
🔄 Email Extension	🔄 Mailer	🔄 Dark Theme	

Creamos el usuario administrador a partir de ahora

Getting Started

The screenshot shows the 'Create First Admin User' form in Jenkins. The form has the following fields and values:

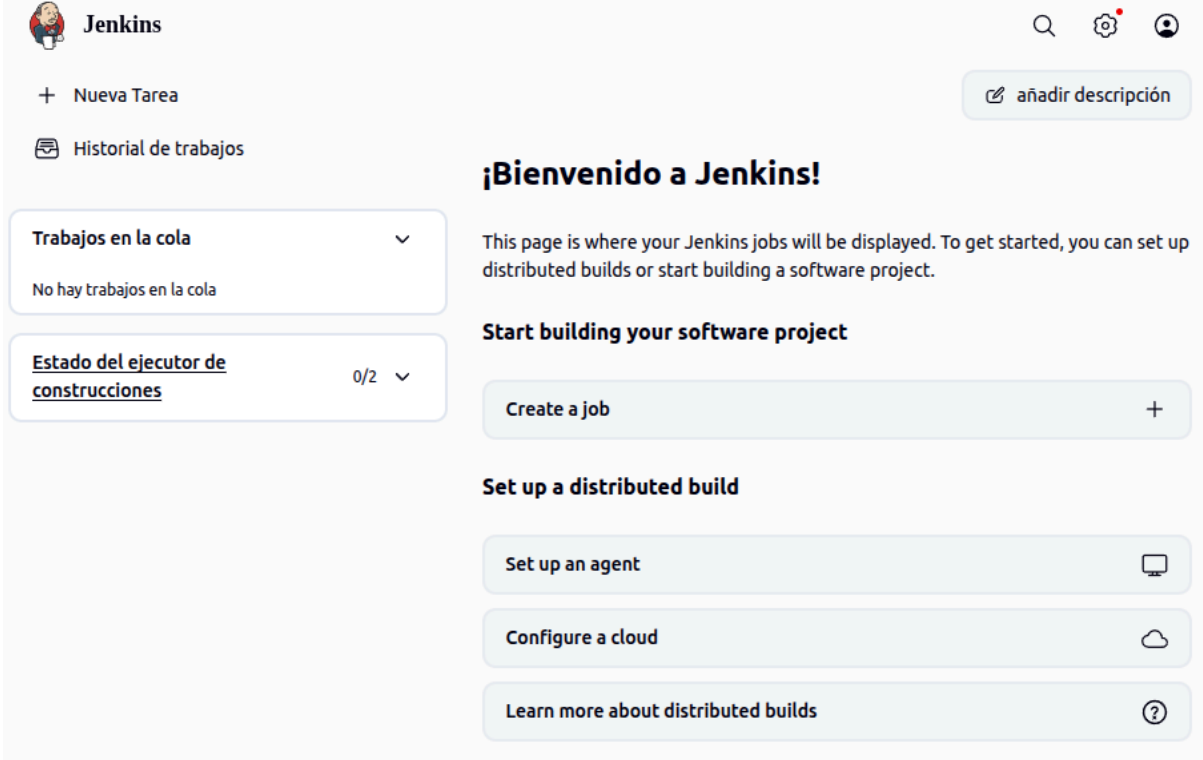
- Usuario: Marcos
- Contraseña: [Redacted]
- Confirma la contraseña: [Redacted]
- Nombre completo: Marcos Garcia Rodriguez
- Email: marcos.garcia.rodriquez.al@iespoligonosur.org

Dejamos la URL por defecto (en mi caso la de la instancia y el puerto) y finalizamos.

Getting Started

The screenshot shows the 'Jenkins is ready!' message. The text reads: 'Jenkins is ready!' followed by 'Your Jenkins setup is complete.' Below this is a blue button labeled 'Start using Jenkins'.

Finalmente, vemos como se ha instalado correctamente.



The screenshot shows the Jenkins dashboard interface. At the top left, there is a Jenkins logo and the name 'Jenkins'. To the right of the logo are three icons: a magnifying glass for search, a gear for settings, and a user profile icon. Below the logo, there are two main navigation options: '+ Nueva Tarea' and 'Historial de trabajos'. On the right side of the dashboard, there is a button labeled 'añadir descripción'. The main content area features a large heading '¡Bienvenido a Jenkins!' followed by a paragraph explaining that this is where Jenkins jobs are displayed and providing instructions on how to get started. Below this, there are two sections: 'Start building your software project' and 'Set up a distributed build'. The 'Start building your software project' section contains a 'Create a job' button with a plus sign. The 'Set up a distributed build' section contains three buttons: 'Set up an agent' with a computer monitor icon, 'Configure a cloud' with a cloud icon, and 'Learn more about distributed builds' with a question mark icon. On the left side of the dashboard, there are two summary boxes. The first box is titled 'Trabajos en la cola' and shows 'No hay trabajos en la cola'. The second box is titled 'Estado del ejecutor de construcciones' and shows '0/2'.

Jenkins

+ Nueva Tarea

Historial de trabajos

añadir descripción


¡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 

Trabajos en la cola 
No hay trabajos en la cola

Estado del ejecutor de construcciones 0/2 