

INSTALACIÓN Y CONFIGURACIÓN DE JENKINS

INSTALACIÓN DE JENKINS

<https://youtu.be/3OY3A6XE6Us>

1. Descargar la última versión de Jenkins desde la página oficial:

<https://www.jenkins.io/>. Hay que descargarse la última versión estable.



Download and deploy

The Jenkins project produces two release lines: Stable (LTS) and weekly. Depending on your organization's needs, one may be preferred over the other. See the links below for recommendations about the release lines.

Stable (LTS)

Long-Term Support (LTS) release baselines are chosen every 12 weeks from the stream of regular releases. Every 4 weeks we release stable releases which include bug and security fix backports. [Learn more...](#)

[ChangeLog](#) [Upgrade Guide](#) [Past Releases](#)

Weekly releases

This release line delivers bug fixes and new features rapidly to us need them. It is generally delivered on a weekly cadence. Learn more

[Changelog](#) | [Past Releases](#)

Downloading Jenkins

Jenkins is distributed as WAR files, native packages, installers, and Docker images. Follow these installation steps:

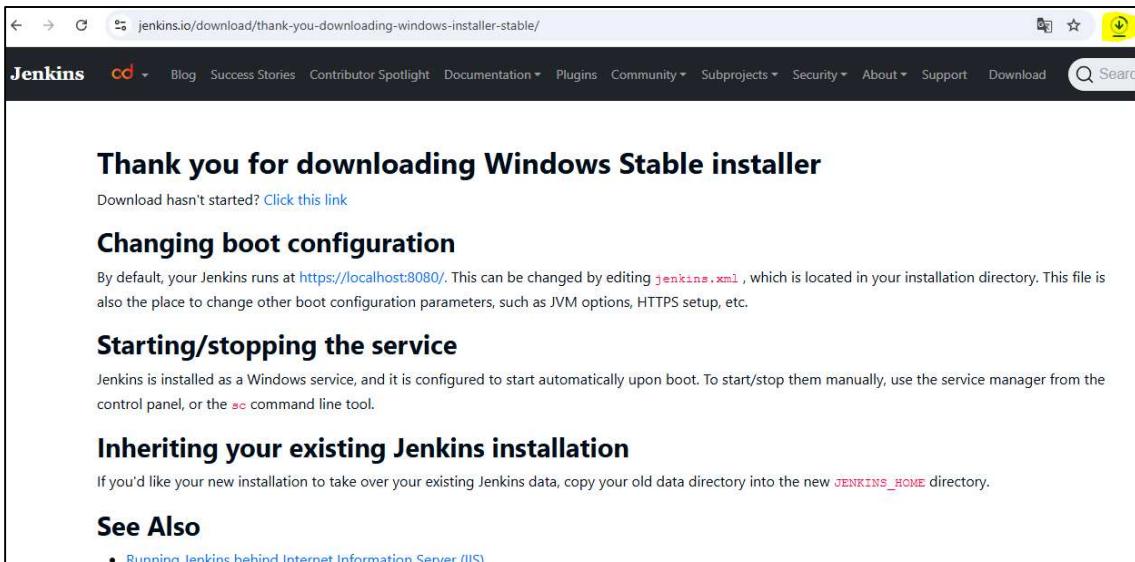
1. Before downloading, please take a moment to review the [Hardware and Software requirements](#) section of the User Handbook.
 2. Select one of the packages below and follow the download instructions.
 3. Once a Jenkins package has been downloaded, proceed to the [Installing Jenkins](#) section of the User Handbook.
 4. You may also want to verify the package you downloaded. [Learn more about verifying Jenkins downloads.](#)

[Download Jenkins 2.528.2 LTS for:](#)

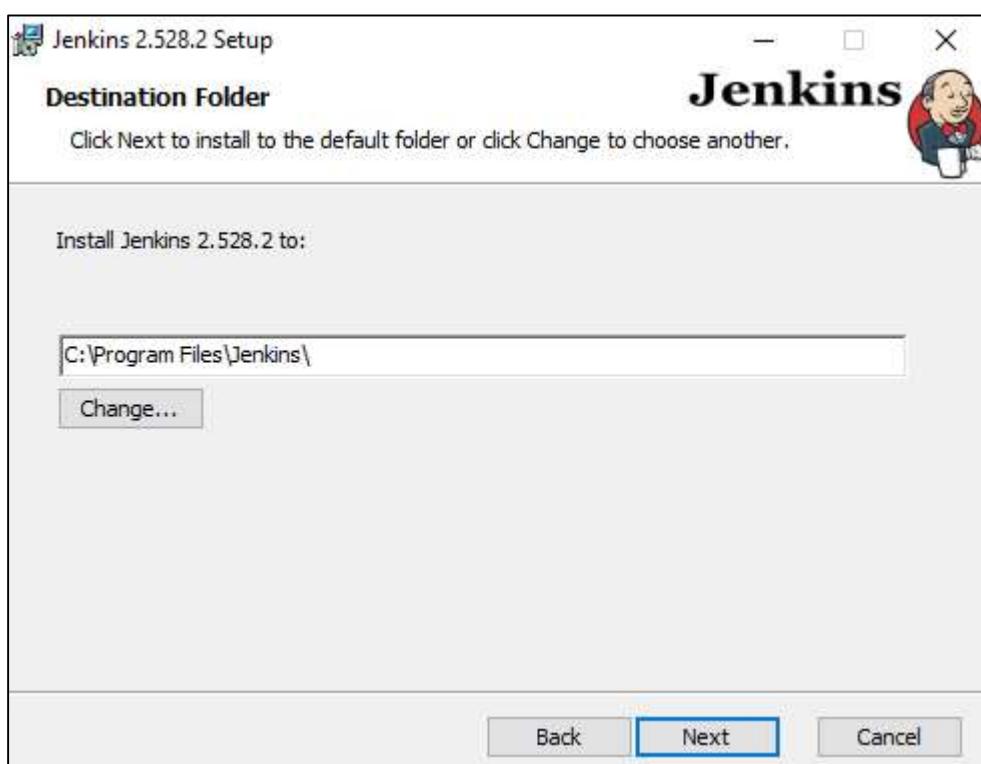
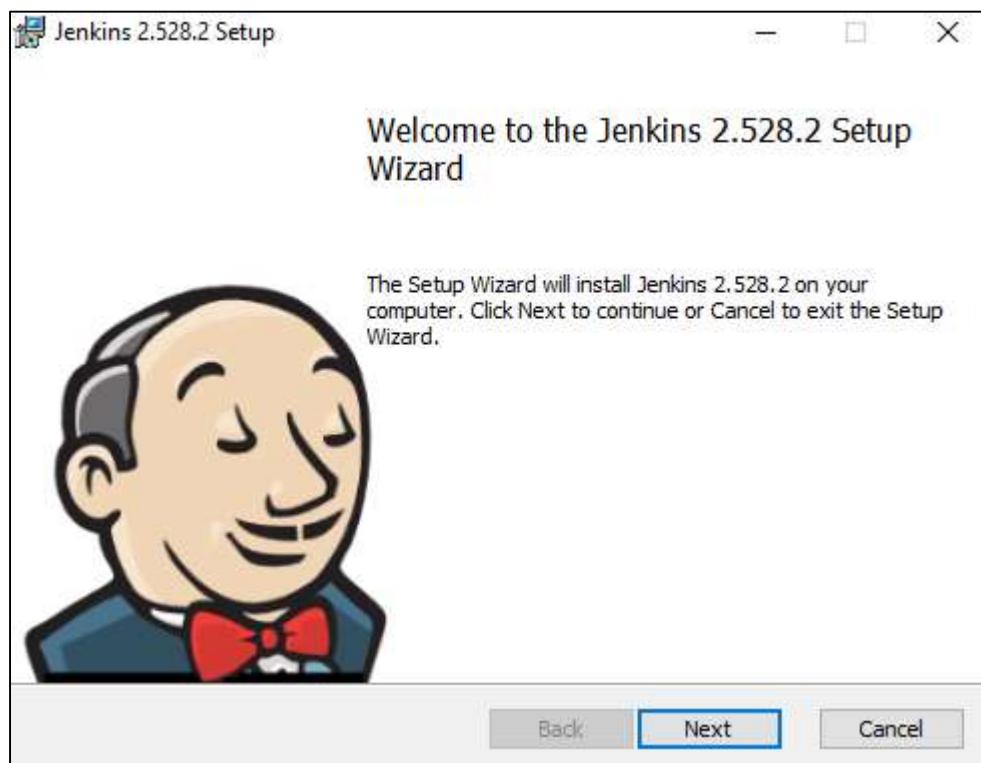
-  Generic Java package (.war)
SHA-256: 522C96000D16417E2A2900B66D1C91F8C1D9D60A1c10B64e02
 -  Docker
 -  Kubernetes
 -  Ubuntu/Debian
 -  Red Hat Enterprise Linux and derivatives
 -  Fedora
 -  Windows

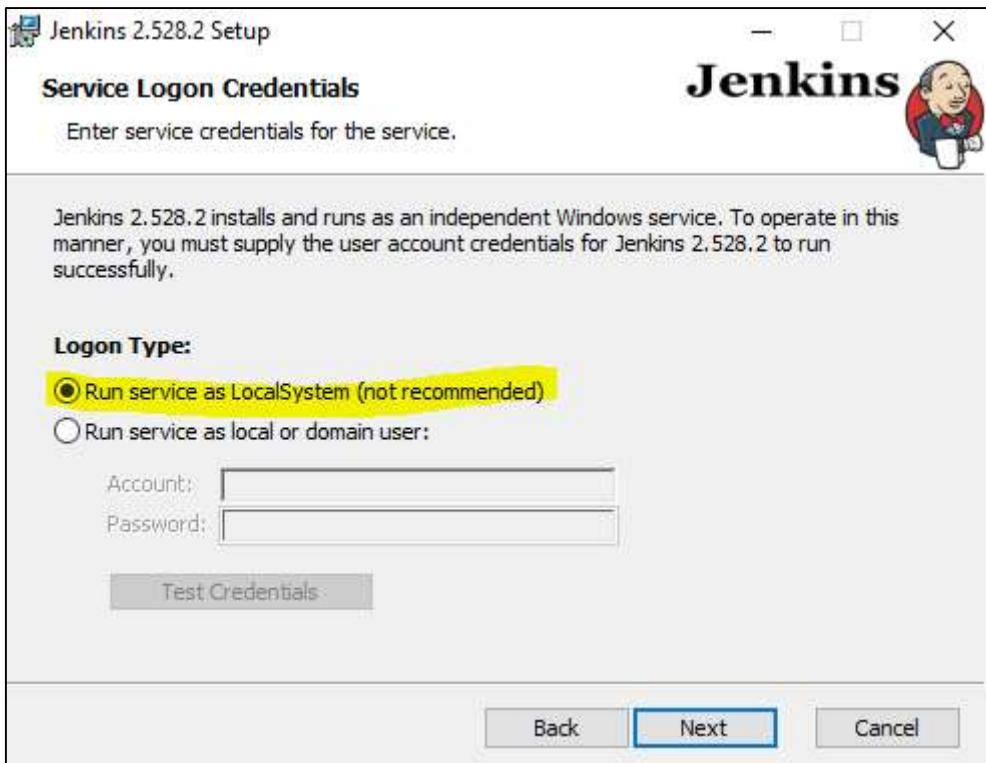
Download Jenkins 2.539 for:

- Generic Java package (.war)
 - Docker
 - Ubuntu/Debian
 - Red Hat Enterprise Linux and derivatives
 - Fedora
 - Windows
 - openSUSE



- Ejecutar el instalable y realizar una instalación como servicio local:

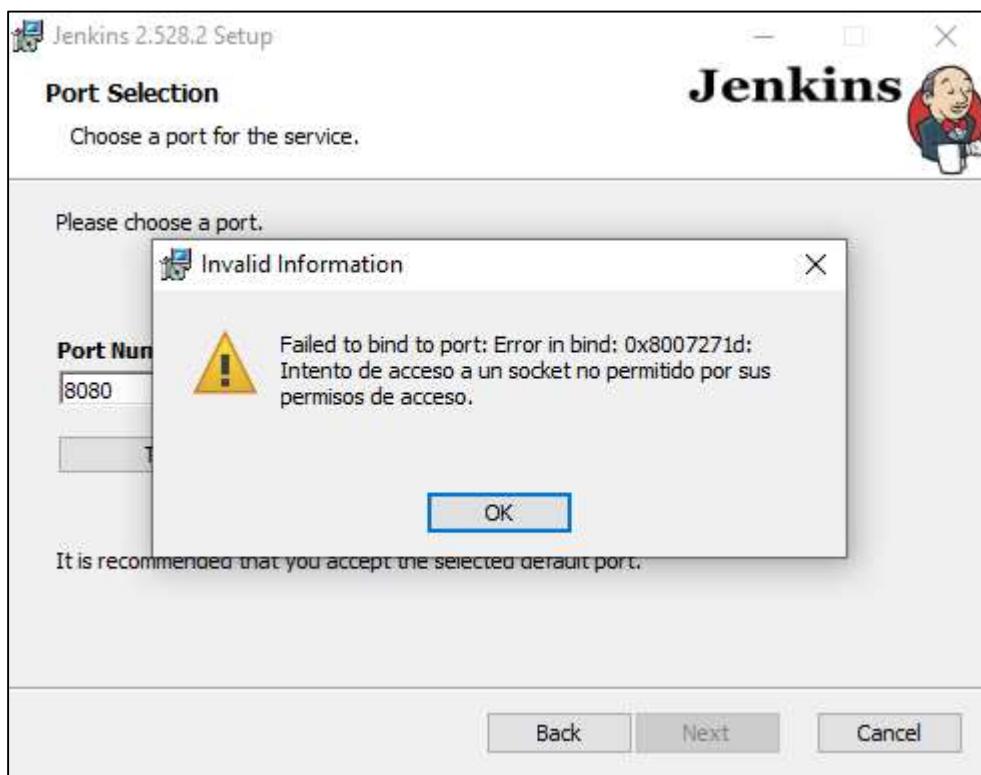




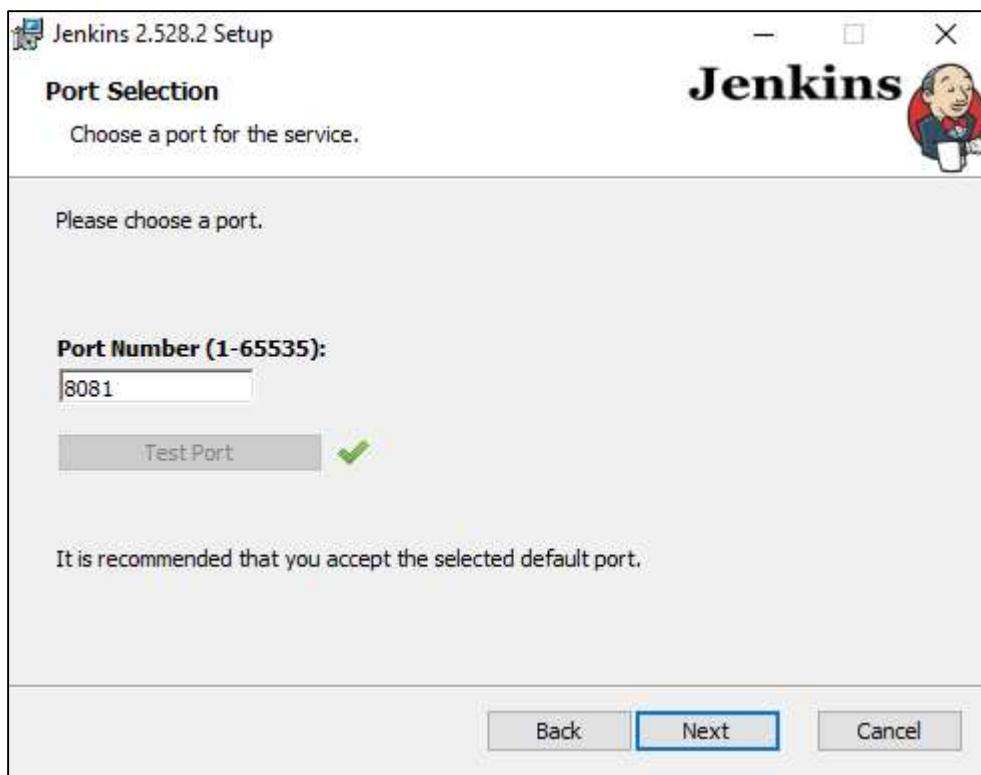
- Por defecto, utilizará el puerto 8080 y hay que testearlo. Si lo tenemos ocupado o lo queremos cambiar, esta es una buena ocasión.



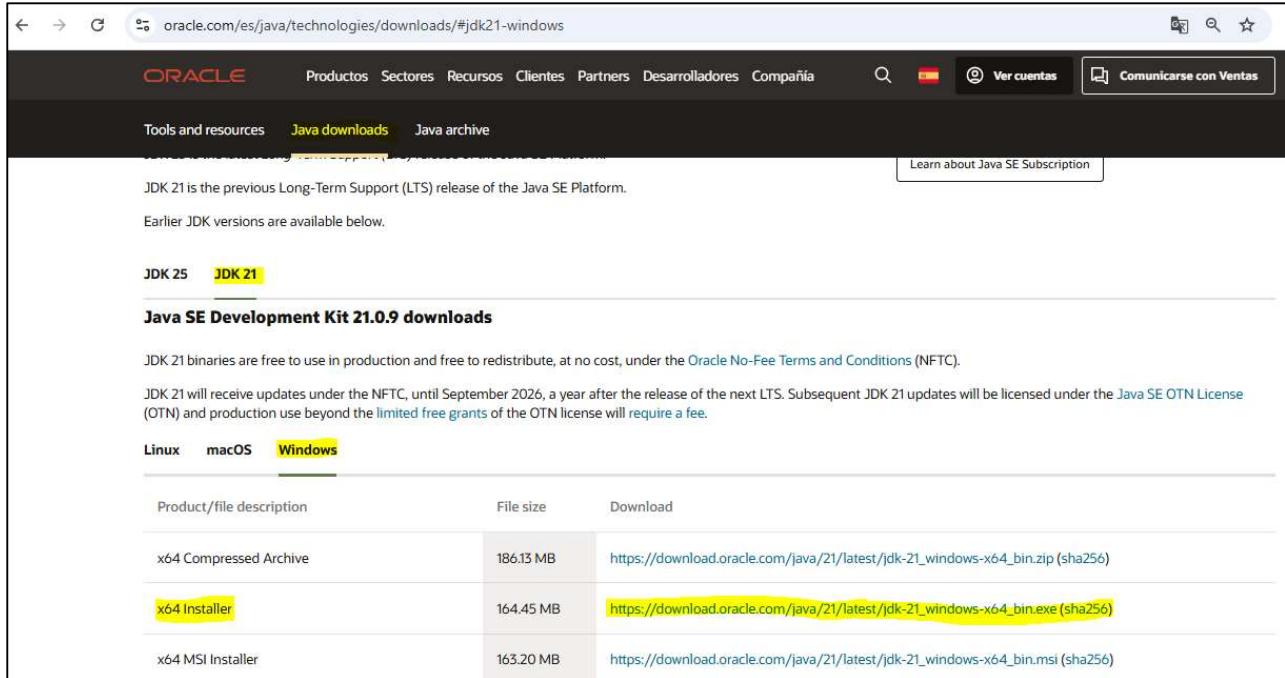
- Si el puerto está ocupado, al testearlo se muestra lo siguiente:



- Si el puerto está libre, al testearlo se muestra lo siguiente:



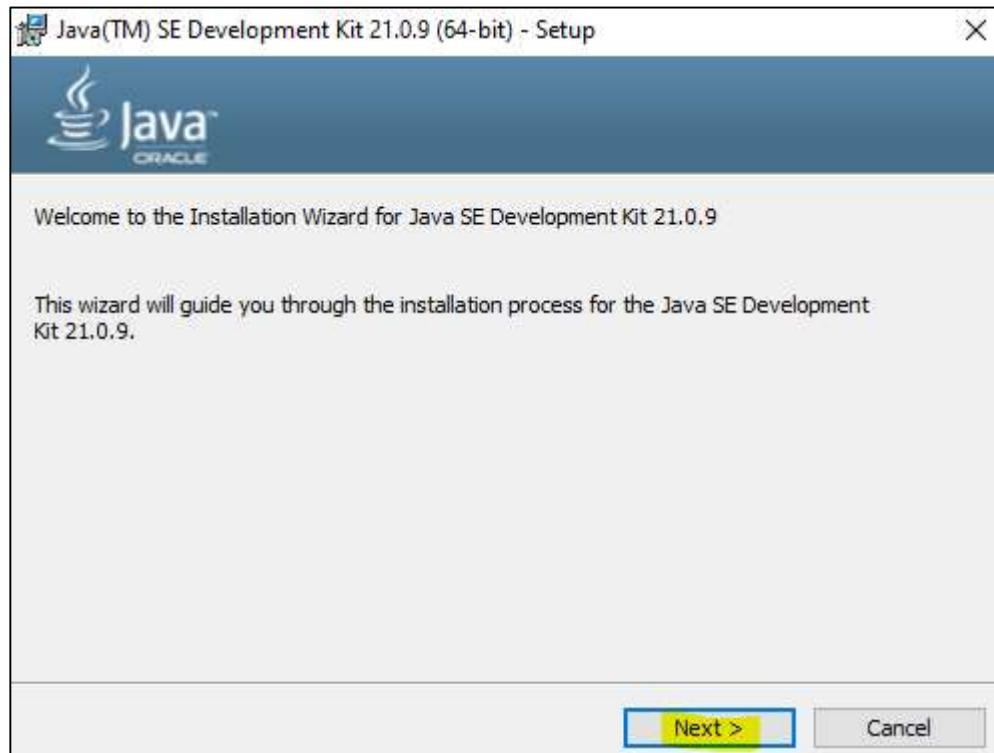
- Jenkins necesita una versión de **JDK 17 o 21**, así que en este momento debemos **instalar** una de esas versiones. Nosotros instalaremos la 21 desde la página oficial de Oracle - <https://www.oracle.com/es/java/technologies/downloads/>.

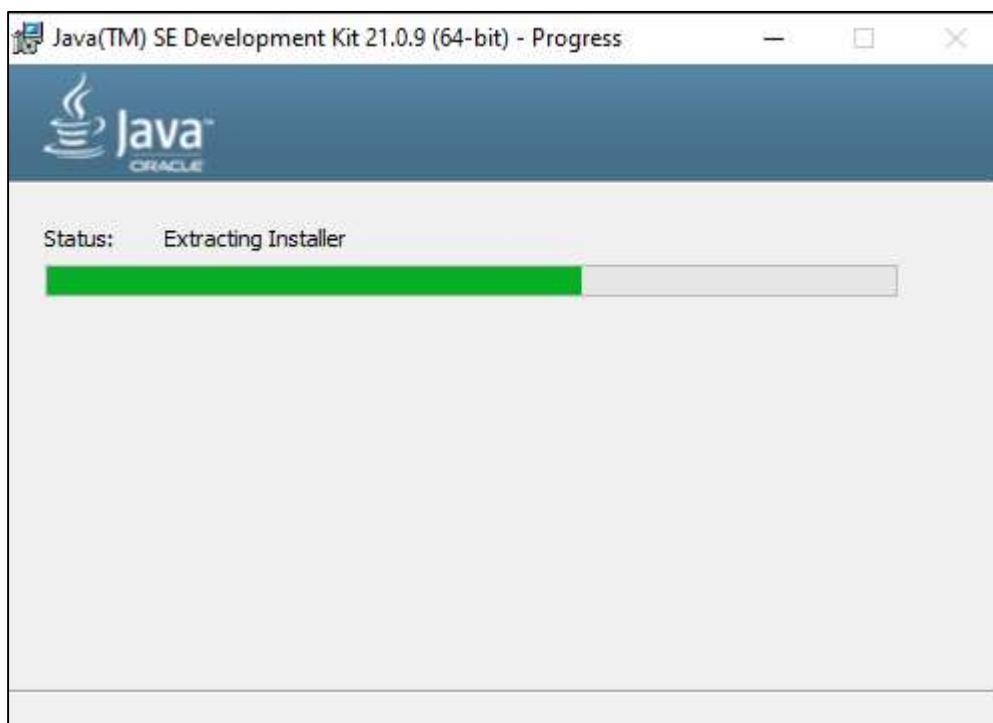
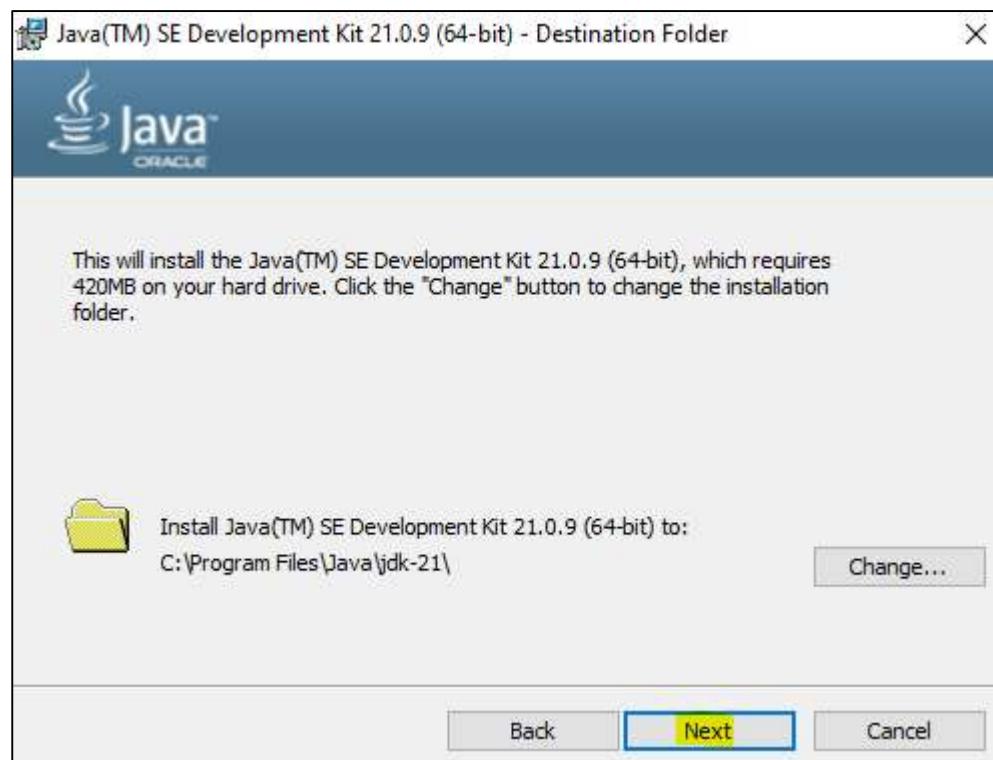


The screenshot shows the Oracle Java Downloads page for JDK 21. The 'Windows' tab is selected. A table lists three download options:

Product/file description	File size	Download
x64 Compressed Archive	186.13 MB	https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.zip (sha256)
x64 Installer	164.45 MB	https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.exe (sha256)
x64 MSI Installer	163.20 MB	https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.msi (sha256)

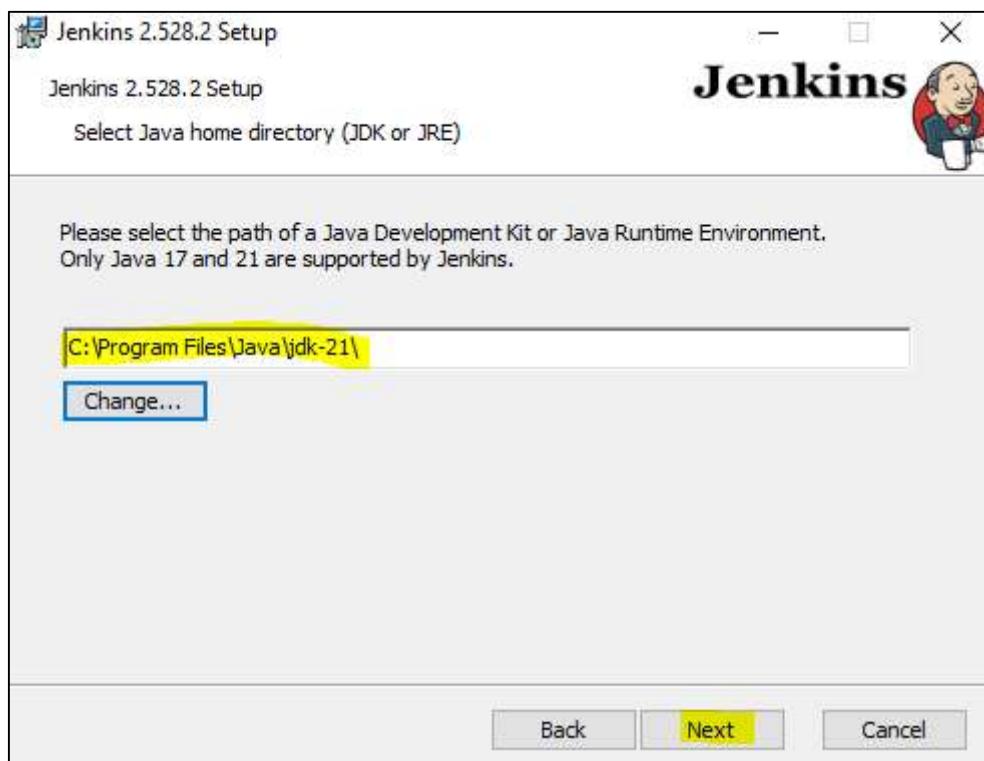
Ejecutar el instalable y realizar los siguientes pasos:

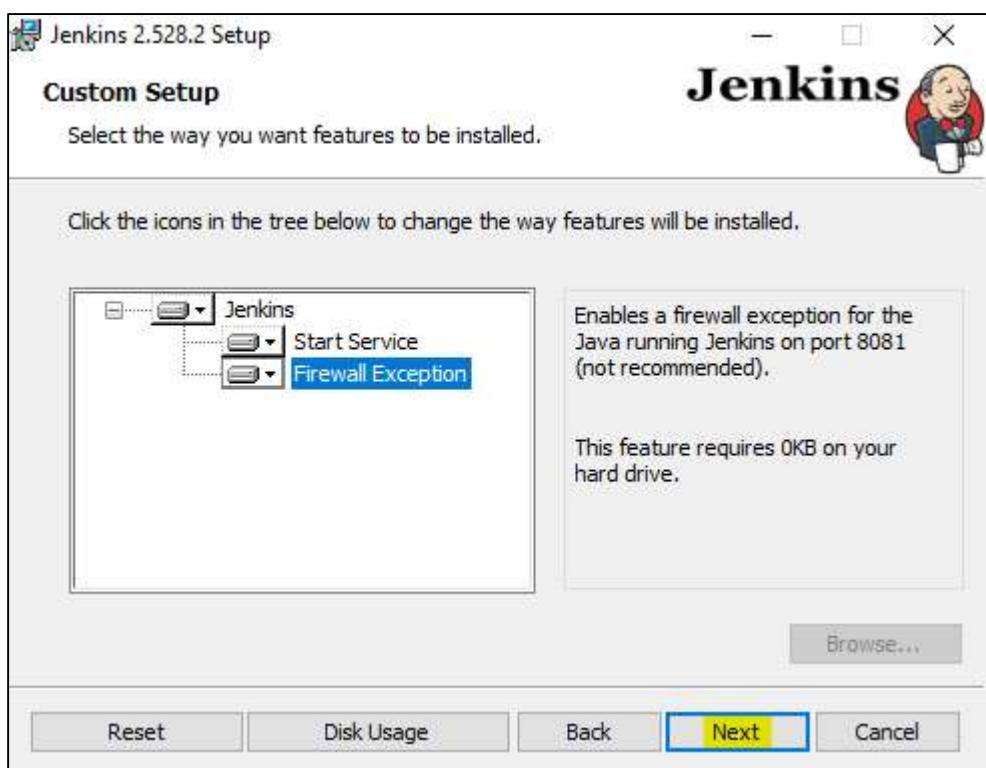
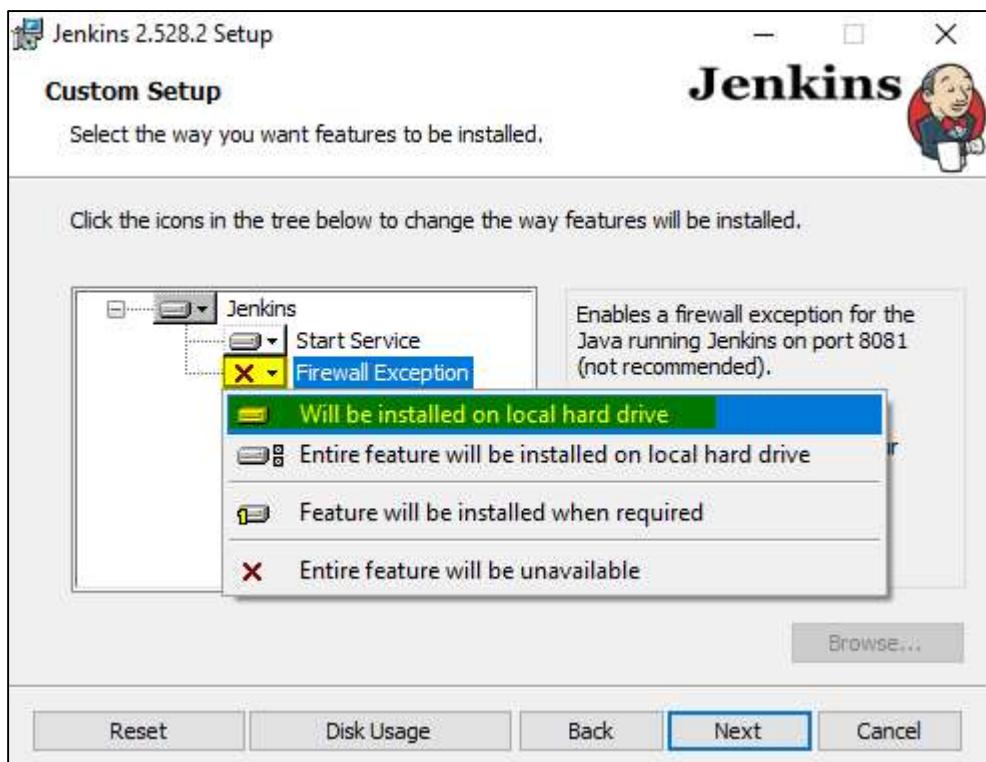


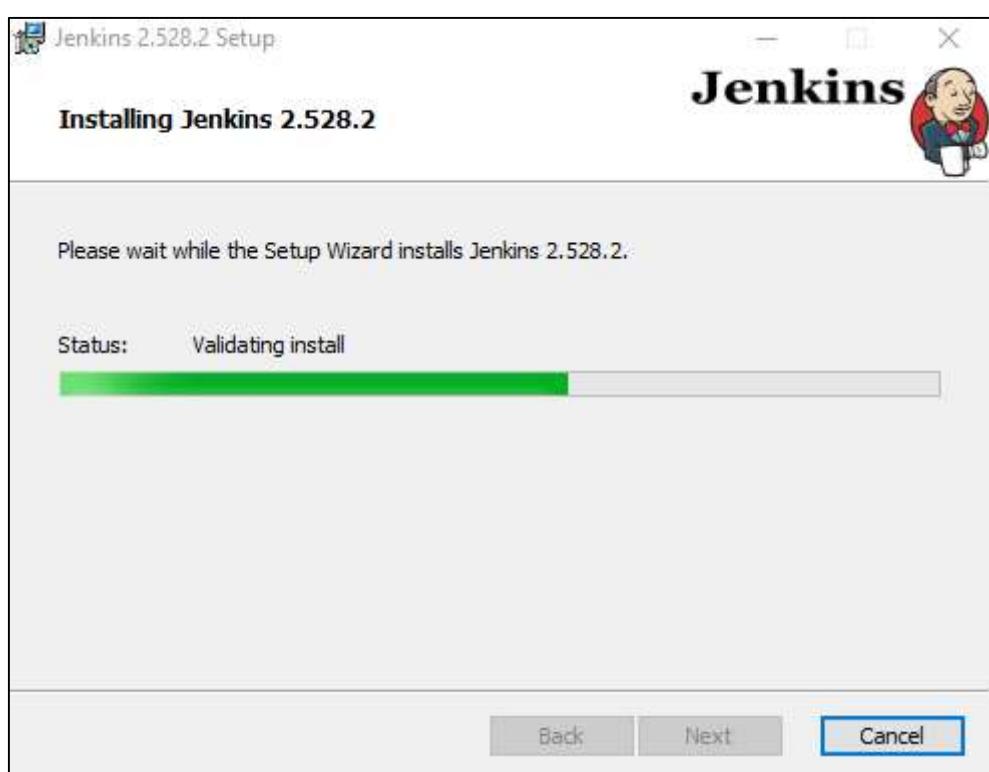
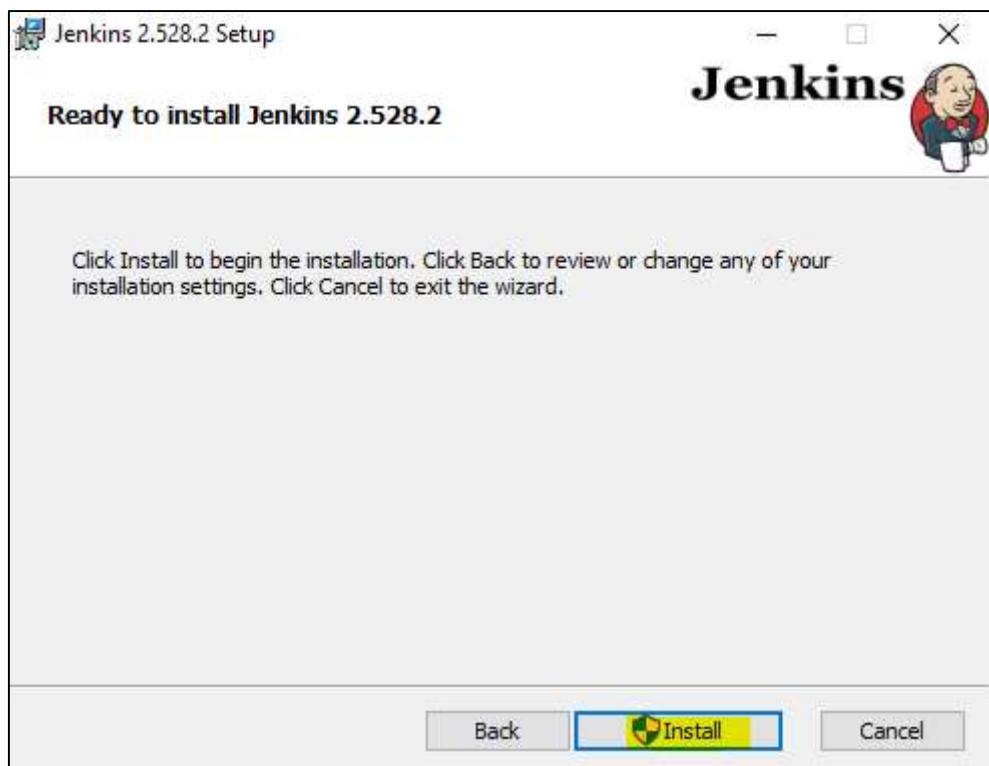


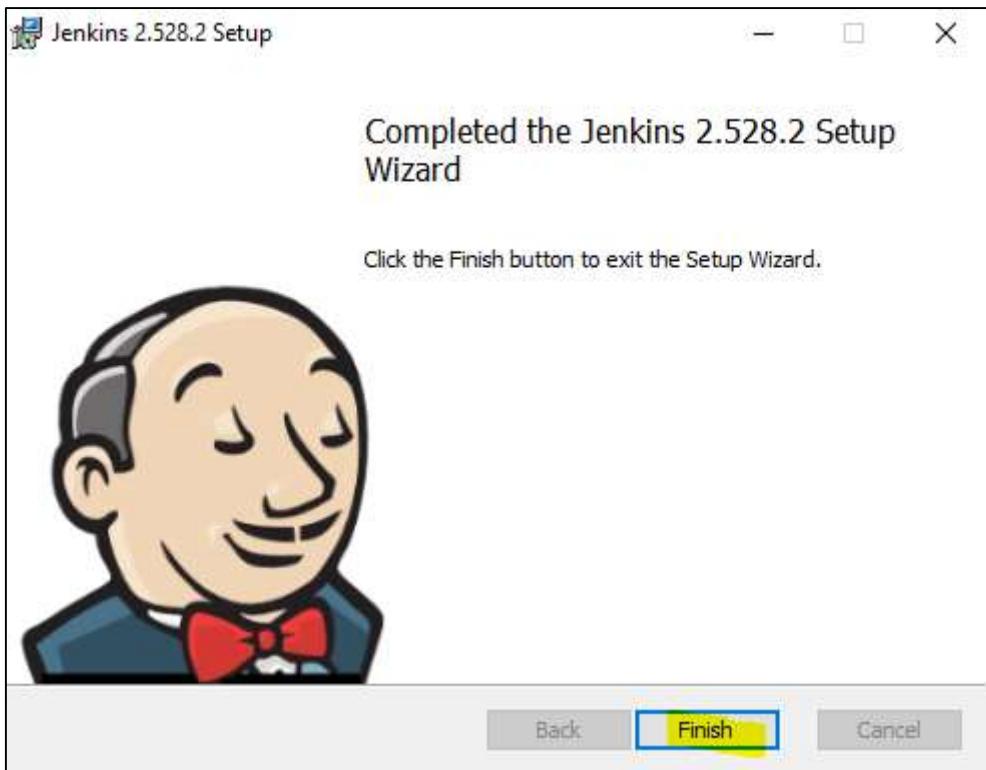


- Continuamos con la instalación de Jenkins:









CONFIGURACIÓN INICIAL DE JENKINS

1. En el navegador escribimos la dirección de acceso a jenkins: <http://localhost:8080>

Getting Started

Unlock Jenkins

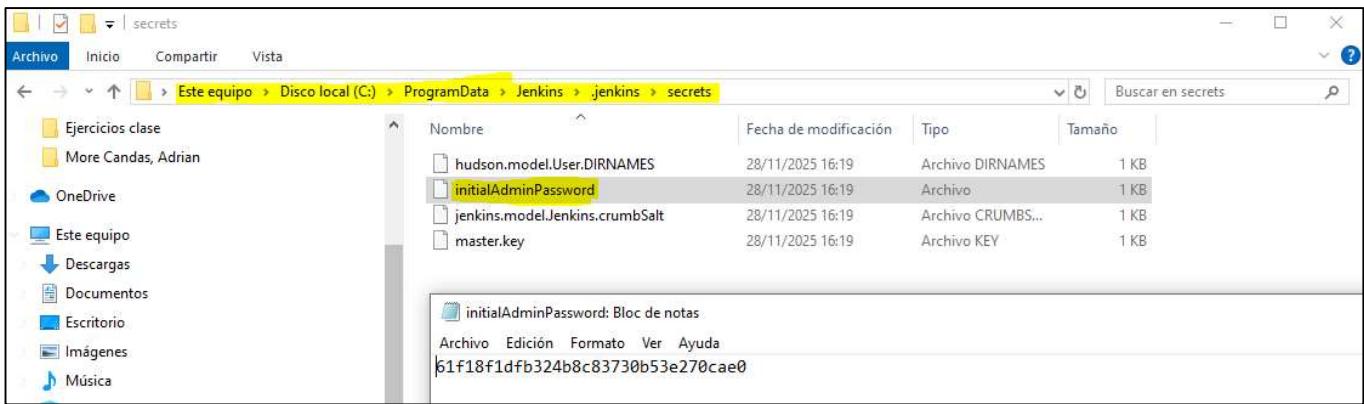
To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

C:\ProgramData\Jenkins\.jenkins\secrets\initialAdminPassword

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

Administrator password

2. En el explorador de archivos accedemos a la ruta indicada (`C:\ProgramData\Jenkins\.jenkins\secrets\`) y abrimos el archivo **initialAdminPassword**, copiamos la contraseña y la pegamos en el lugar indicado:



The screenshot shows a web browser window titled 'Sign in - Jenkins' with the URL 'localhost:8080/login?from=%2F'. The page is titled 'Getting Started' and features a large heading 'Unlock Jenkins'. It explains that a password has been written to the log or the 'initialAdminPassword' file. A code block shows the file path: 'C:\ProgramData\Jenkins\.jenkins\secrets\initialAdminPassword'. Below this, instructions say to 'Please copy the password from either location and paste it below.' A redacted input field labeled 'Administrator password' is shown. At the bottom right is a 'Continue' button.

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.

Getting Started

Getting Started

✓ Folders	✓ OWASP Markup Formatter	✗ Build Timeout	✗ Credentials Binding	✗ commons-lang3 v3.x Jenkins API ✗ Ionicons API Folders OWASP Markup Formatter ** ASM API ** JSON Path API ** Structs ** Pipeline: Step API ** commons-text API
✗ Timestamper	✗ 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		** - required dependency

Jenkins 2.528.2

3. Creamos la cuenta del usuario administrador para poder acceder a Jenkins:

Getting Started

Create First Admin User

Usuario
patriciasfo

Contraseña
.....

Confirma la contraseña
.....

Nombre completo
Patricia

Dirección de email
patriciasfo@educastur.org

Jenkins 2.528.2 Skip and continue as admin **Save and Continue**

Getting Started

Instance Configuration

Jenkins URL:

<http://localhost:8080/>

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.

Jenkins 2.528.2

Not now

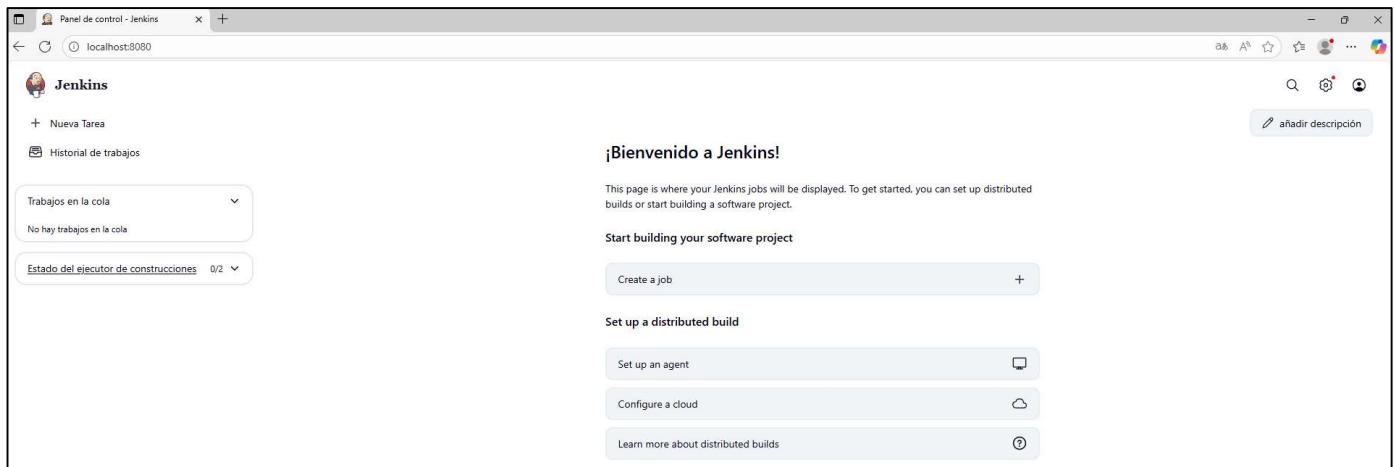
Save and Finish

Getting Started

Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins



4. El resto de las veces, cuando accedamos a Jenkins con <http://localhost:8080/> nos pedirá el login y deberemos introducir el usuario y contraseña indicados durante la configuración inicial.

