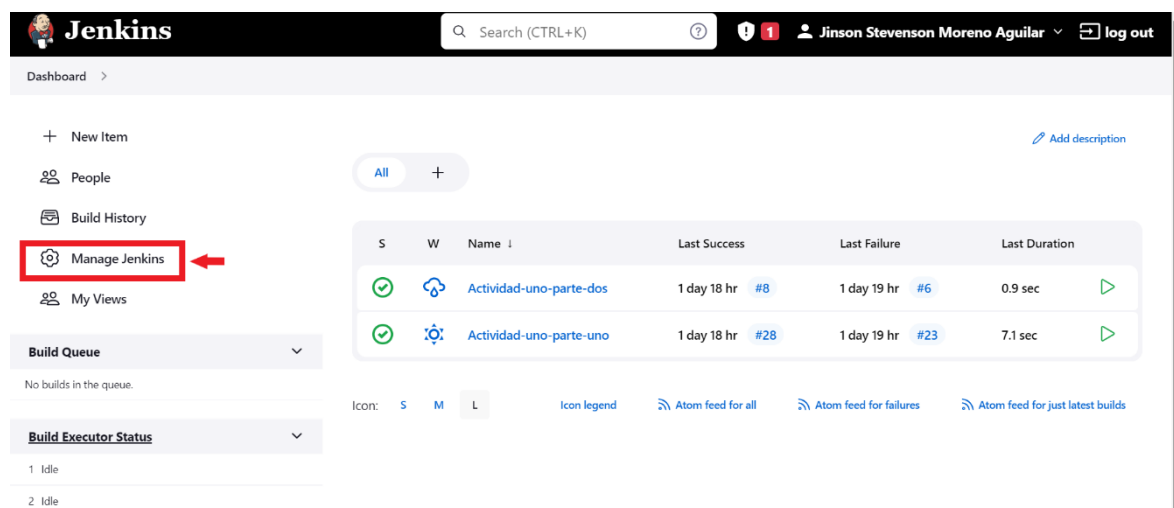


## Modulo TAE CI/CD Actividad Dos

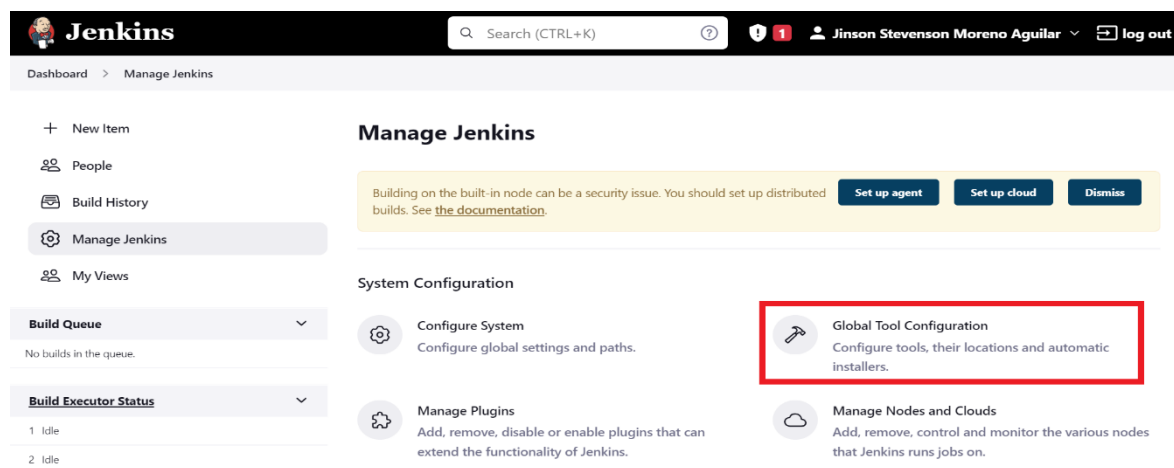
**Estudiante:** Jinson Stevenson Moreno Aguilar

Tomando como base el repositorio <https://github.com/jitpack/maven-simple>, Van a utilizar Jenkins y Maven para crear un job en el cual se va a generar la build. (solo generarla más no ejecutarla), usando el comando clean package.

### Desarrollo:



Primero debemos instalar Maven así que para hacerlo nos dirigimos a la opción “Manage Jenkins”.



Seleccionamos la opción “Global Tool Configuration”.

Dashboard > Manage Jenkins > Global Tool Configuration

### Maven

Maven installations

List of Maven installations on this system

Add Maven

Maven Name

Maven 3.8.5

☒ Install automatically ?

Install from Apache

Version

3.8.5

Save Apply


Añadimos la versión de Maven que utilizaremos, en este caso se eligió la 3.8.5.


Dashboard > All >


### Enter an item name


Actividad-dos

» Required field

**Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

**Maven project**  
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

**Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

**Multi-configuration project**  
Build projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds,

OK

Creamos un nuevo Job, le damos un nombre y como realizaremos la automatización con Maven le damos a la opción “Maven Project” y posteriormente a “OK”.

Dashboard > Actividad-dos >

### Configuration

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

### General

Enabled ☒

Description

1.1. [Descargue](#) el [proyecto](#) de la [rama](#) master  
1.2. [Compile](#) el [proyecto](#)  
1.3. [Genere](#) la build

[Plain text] [Preview](#)

☐ Discard old builds ?  
☐ GitHub project  
☐ This project is parameterized ?  
☐ Throttle builds ?  
☐ Execute concurrent builds if necessary ?

[Save](#) [Apply](#)

Escribimos una descripción para el Job.

Dashboard > Actividad-dos >

### Configuration

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

### Git

Repositories ?

Repository URL ?

Credentials ?

[+ Add](#)

[Advanced...](#)

[Add Repository](#)

Branches to build ?

[Save](#) [Apply](#)

Indicamos la URL del repositorio con el que estaremos trabajando.

Dashboard > Actividad-dos >

### Configuration

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

### Branches to build

Branch Specifier (blank for 'any') ?

[Add Branch](#)

Repository browser ?

Additional Behaviours  
[Add](#)

[Save](#) [Apply](#)

Indicamos la rama del repositorio con la que estaremos trabajando en este caso la rama “*Master*”.

Dashboard > Actividad-dos >

## Configuration

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build**
- Post Steps
- Build Settings
- Post-build Actions

### Build

Root POM ?

Goals and options ?

Advanced...

### Post Steps

☐ Run only if build succeeds

**Save** **Apply**

Indicamos el comando de Maven a utilizar, en este caso “clean package” el cual nos permitirá generar la build y luego le damos en “save”.

**Jenkins** Search (CTRL+K) ? Jinson Stevenson Moreno Aguilar log out

Dashboard > Actividad-dos >

- Back to Dashboard
- Status**
- Changes
- Workspace
- Build Now
- Configure
- Delete Maven project
- Modules
- Rename

## Maven project Actividad-dos

1.1. Descargue el proyecto de la rama master  
1.2. Compile el proyecto  
1.3. Genere la build

[Edit description](#)

**Disable Project**

### Permalinks

**Build History** trend v

Dashboard > Actividad-dos > [Back to Dashboard](#)

## maven project Actividad-dos

1.1. Descargue el proyecto de la rama master  
1.2. Compile el proyecto  
1.3. Genere la build

[Edit description](#)  
[Disable Project](#)

**Build Now**

**Build History** [trend](#)

Filter builds...

✓ #4	Nov 3, 2022, 2:01 PM
✓ #3	Nov 3, 2022, 1:55 PM

**Test Result Trend**

Passed Skipped Failed

**Latest Test Result** (no failures)

**Permalinks**

- [Last build \(#4\), 11 min ago](#)
- [Last stable build \(#4\), 11 min ago](#)
- [Last successful build \(#4\), 11 min ago](#)
- [Last failed build \(#2\), 18 min ago](#)
- [Last unsuccessful build \(#2\), 18 min ago](#)
- [Last completed build \(#4\), 11 min ago](#)

Ejecutamos la build con la opción “Build Now” y en “Build History” Vemos el resultado de la prueba.

Jenkins

Search (CTRL+K)

Dashboard > Actividad-dos > #4

[Back to Project](#)

**Console Output**

[View as plain text](#)

[Edit Build Information](#)

[Delete build '#4'](#)

[Git Build Data](#)

[Test Result](#)

[Redeploy Artifacts](#)

[See Fingerprints](#)

```
Started by user Jinson Stevenson Moreno Aguilar
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\Actividad-dos
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\jenkins\workspace\Actividad-dos\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/jitpack/maven-simple # timeout=10
Fetching upstream changes from https://github.com/jitpack/maven-simple
> git.exe --version # timeout=10
> git --version # 'git version 2.38.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/jitpack/maven-simple
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision 9466faa13d65044c8430b418327df826f13ca07a (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 9466faa13d65044c8430b418327df826f13ca07a # timeout=10
Commit message: "Unit4 test"
```

Seleccionamos el resultado de la prueba y le damos a la opción “Console Output”.

[INFO] Surefire report directory: C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\target\surefire-reports

-----  
T E S T S  
-----

Running com.github.jitpack.AppTest

Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.048 sec

Results :

Tests run: 2, Failures: 0, Errors: 0, Skipped: 0

[JENKINS] Recording test results

[INFO]

[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ maven-simple ---

[INFO] Building jar: C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\target\maven-simple-0.2-SNAPSHOT.jar

[INFO]

[INFO] >>> maven-source-plugin:3.2.1:jar (attach-sources) > generate-sources @ maven-simple >>>

[WARNING] Failed to getClass for org.apache.maven.plugins.source.SourceJarMojo

[INFO]

[INFO] <<< maven-source-plugin:3.2.1:jar (attach-sources) < generate-sources @ maven-simple <<<

[INFO]

[INFO]

[INFO] --- maven-source-plugin:3.2.1:jar (attach-sources) @ maven-simple ---

[INFO] Building jar: C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\target\maven-simple-0.2-SNAPSHOT-sources.jar

[WARNING] javadoc: warning - The code being documented uses modules but the packages defined in <https://docs.oracle.com/javase/7/docs/api/> are in the unnamed module.

[WARNING] javadoc: warning - The code being documented uses modules but the packages defined in <https://docs.oracle.com/javase/7/docs/api/> are in the unnamed module.

[INFO] Building jar: C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\target\maven-simple-0.2-SNAPSHOT-javadoc.jar

[INFO] -----

[INFO] BUILD SUCCESS

[INFO] -----

[INFO] Total time: 12.450 s

[INFO] Finished at: 2022-11-03T14:02:08-05:00

[INFO] -----

Waiting for Jenkins to finish collecting data

[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\pom.xml to com.github.jitpack/maven-simple/0.2-SNAPSHOT/maven-simple-0.2-SNAPSHOT.pom

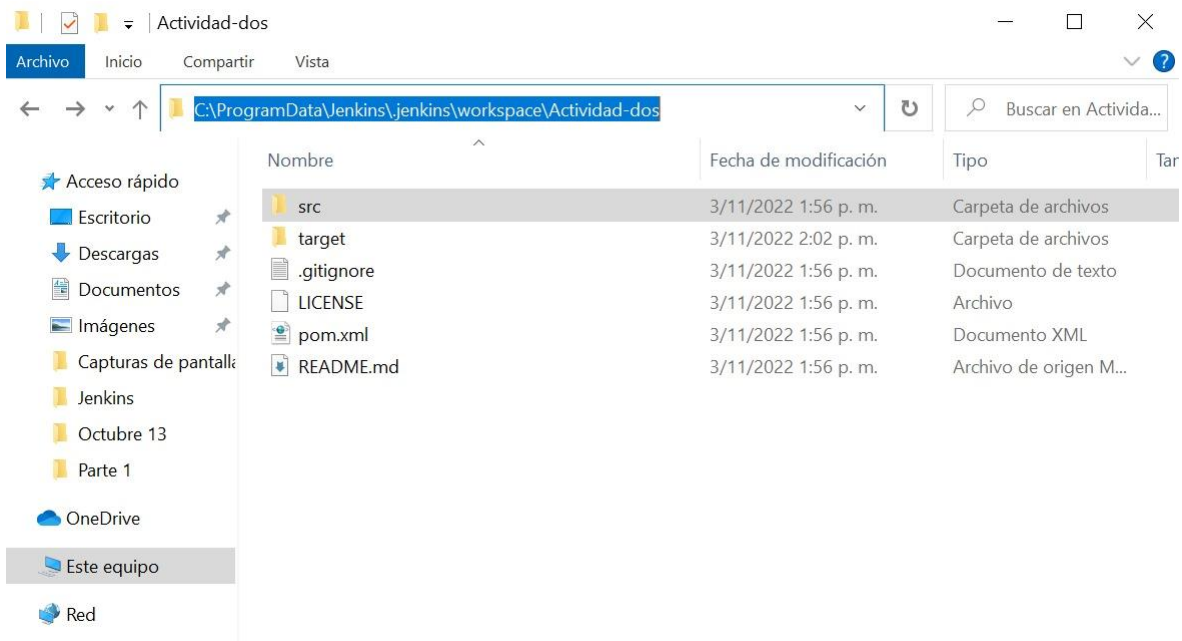
[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\target\maven-simple-0.2-SNAPSHOT.jar to com.github.jitpack/maven-simple/0.2-SNAPSHOT/maven-simple-0.2-SNAPSHOT.jar


[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\target\maven-simple-0.2-SNAPSHOT-sources.jar to com.github.jitpack/maven-simple/0.2-SNAPSHOT/maven-simple-0.2-SNAPSHOT-sources.jar

[JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Actividad-dos\target\maven-simple-0.2-SNAPSHOT-javadoc.jar to com.github.jitpack/maven-simple/0.2-SNAPSHOT/maven-simple-0.2-SNAPSHOT-javadoc.jar





channel stopped

Finished: SUCCESS





 **Jenkins**


Search (CTRL+K)


 1  1  Jinson Stevenson Moreno Aguilar  log out


Dashboard >


 New Item


 People

 Build History

 Project Relationship

 Check File Fingerprint

 Manage Jenkins

 My Views

All

+

S

W

Name ↓

✓

☁

Actividad-dos

1 hr 7 min

#4

1 hr 14 min

#2

23 sec

▶

✓

☁

Actividad-uno-parte-dos

1 day 20 hr

#8

1 day 20 hr

#6

0.9 sec

▶

✓

⚙

Actividad-uno-parte-uno

1 day 20 hr

#28

1 day 21 hr

#23

7.1 sec

▶

Add description