

[illegible]

## 2) launch 2<sup>nd</sup> machine as slave install java 17 and maven

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Tue Feb 10 23:06:30 2026 from 84.40.152.93
[ec2-user@ip-172-31-39-193 ~]$ sudo su -
Last login: Tue Feb 10 23:06:35 UTC 2026 on pts/3
[root@ip-172-31-39-193 ~]# history
1  ls -l /mnt/build-tool/apache-maven-3.9.6/bin
2  cd /mnt/build-tool/apache-maven-3.9.6/bin
3  cd /mnt
4  ll
5  cd build-tool/
6  cd apache-maven-3.9.12/
7  ls -l
8  cd /mnt
9  cd build-tool/
10 ll
11 history
[root@ip-172-31-39-193 ~]# cd /mnt
[root@ip-172-31-39-193 mnt]# ll
total 0
drwxrwxrwx. 3 root    root      33 Feb 10 22:38 build-tool
drwxrwxrwx. 7 ec2-user ec2-user 144 Feb 10 23:13 jenkins-slave
[root@ip-172-31-39-193 mnt]# cd jenkins-slave/
[root@ip-172-31-39-193 jenkins-slave]# ll
total 8
-rw-rw-r--. 1 ec2-user ec2-user 507 Feb 10 22:46 Jenkinsfile
-rw-rw-r--. 1 ec2-user ec2-user 949 Feb 10 22:46 pom.xml
drwxrwxr-x. 3 ec2-user ec2-user 22 Feb 10 22:46 remoting
drwxrwxr-x. 3 ec2-user ec2-user 18 Feb 10 22:46 src
drwxrwxr-x. 4 ec2-user ec2-user 70 Feb 10 23:13 target
[root@ip-172-31-39-193 jenkins-slave]#
```

## 3) Make slave connection

**Jenkins** / Manage Jenkins / Nodes


Nodes

Add, remove, control and monitor the various nodes that Jenkins runs jobs on.

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	5.68 GiB	0 B	5.68 GiB	0ms
	slave	Linux (amd64)	In sync	5.99 GiB	0 B	458.26 MiB	17ms
Data obtained		55 min	55 min	55 min	55 min	55 min	55 min


Icon: S M L Legend

#### 4)Maven 3.9.12 installation tool

 **Jenkins** / Manage Jenkins ▾ / Tools

---

Maven installations

Maven installations ^  Edited

+ Add Maven


⋮ Maven

Name

maven-3.9.12

MAVEN\_HOME

/mnt/build-tool/apache-maven-3.9.12


 /mnt/build-tool/apache-maven-3.9.12 is not a directory on the Jenkins controller (but perhaps it exists on some agents)

☐ Install automatically ?

+ Add Maven


Save Apply


#### 5)create job -project should run on slave specified


 **Jenkins** / job ▾ / Configure


---


**Configure**


 General

 Source Code Management

 Triggers

 Environment

 Build Steps

 Post-build Actions


☐ Execute concurrent builds if necessary ?

☒ Restrict where this project can be run ?

Label Expression ?

slave

Label slave matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced ^  Edited

☐ Quiet period ?

☐ Retry Count ?

☐ Block build when upstream project is building ?

☐ Block build when downstream project is building ?

☒ Use custom workspace ?

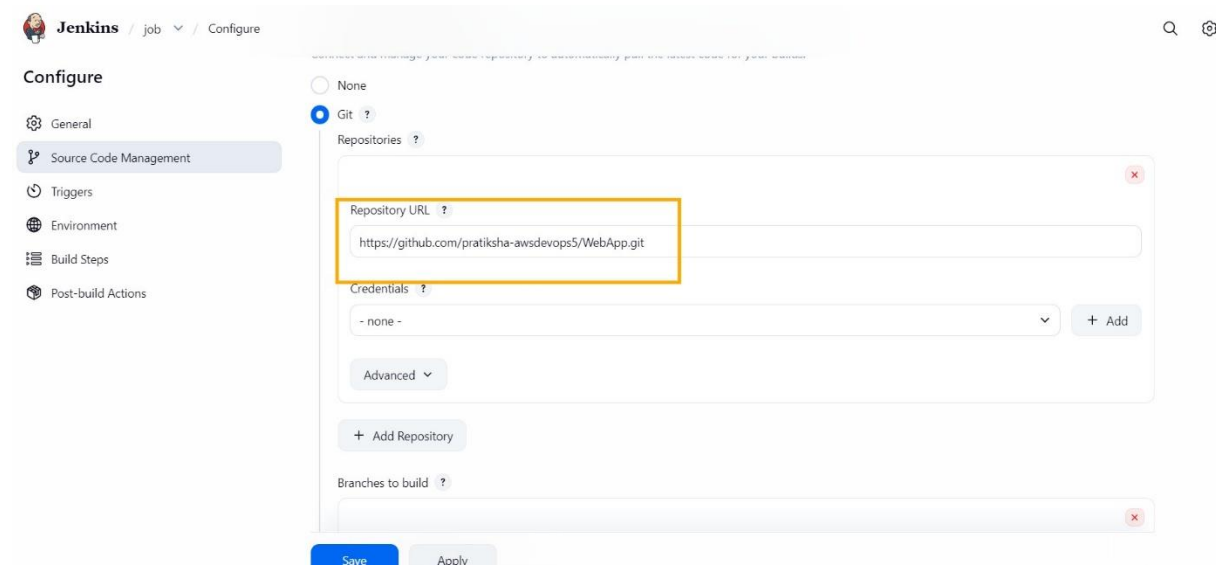
Directory

/mnt/jenkins-slave

Display Name ?

Save Apply

## 6)specify the git repo



The screenshot shows the Jenkins configuration page for a job, specifically the 'Source Code Management' section. The 'Git' option is selected under 'Repositories'. The 'Repository URL' field is highlighted with a yellow box and contains the text 'https://github.com/pratiksha-awsdevops5/WebApp.git'. Below this, the 'Credentials' dropdown is set to 'none'. There is an 'Advanced' dropdown and an '+ Add Repository' button. At the bottom, there is a 'Branches to build' field and 'Save' and 'Apply' buttons.

Jenkins / job / Configure

Configure

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

Repositories ?

Repository URL ?

https://github.com/pratiksha-awsdevops5/WebApp.git

Credentials ?

~ none - + Add

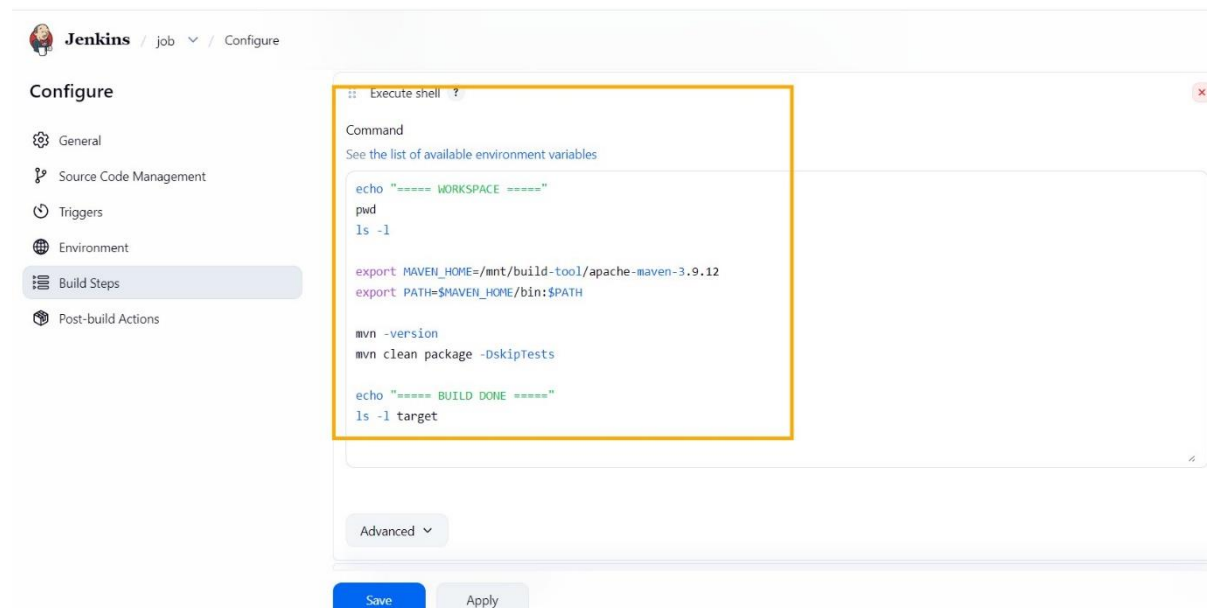
Advanced ▾

+ Add Repository

Branches to build ?

Save Apply

## 7)Execute shell



The screenshot shows the Jenkins configuration page for a job, specifically the 'Build Steps' section. The 'Execute shell' step is highlighted with a yellow box. The 'Command' field contains a series of shell commands: 'echo "==== WORKSPACE ===="', 'pwd', 'ls -l', 'export MAVEN\_HOME=/mnt/build-tool/apache-maven-3.9.12', 'export PATH=\$MAVEN\_HOME/bin:\$PATH', 'mvn -version', 'mvn clean package -DskipTests', 'echo "==== BUILD DONE ===="', and 'ls -l target'. Below the command field, there is an 'Advanced' dropdown and 'Save' and 'Apply' buttons.

Jenkins / job / Configure

Configure

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

Execute shell ?

Command

See the list of available environment variables

```
echo "==== WORKSPACE ===="
pwd
ls -l

export MAVEN_HOME=/mnt/build-tool/apache-maven-3.9.12
export PATH=$MAVEN_HOME/bin:$PATH

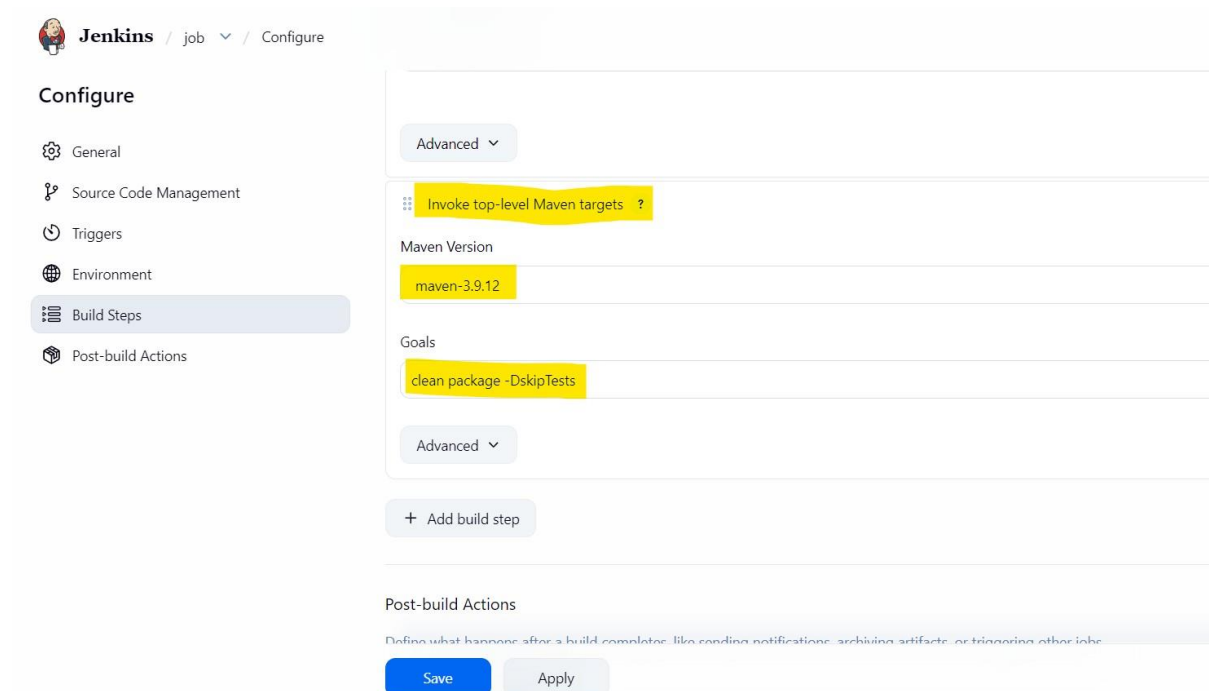
mvn -version
mvn clean package -DskipTests

echo "==== BUILD DONE ===="
ls -l target
```

Advanced ▾

Save Apply

## 8) Here, invoke top level maven target



Jenkins / job / Configure

### Configure

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

Advanced ▾

Invoke top-level Maven targets ?

Maven Version

maven-3.9.12

Goals

clean package -DskipTests

Advanced ▾

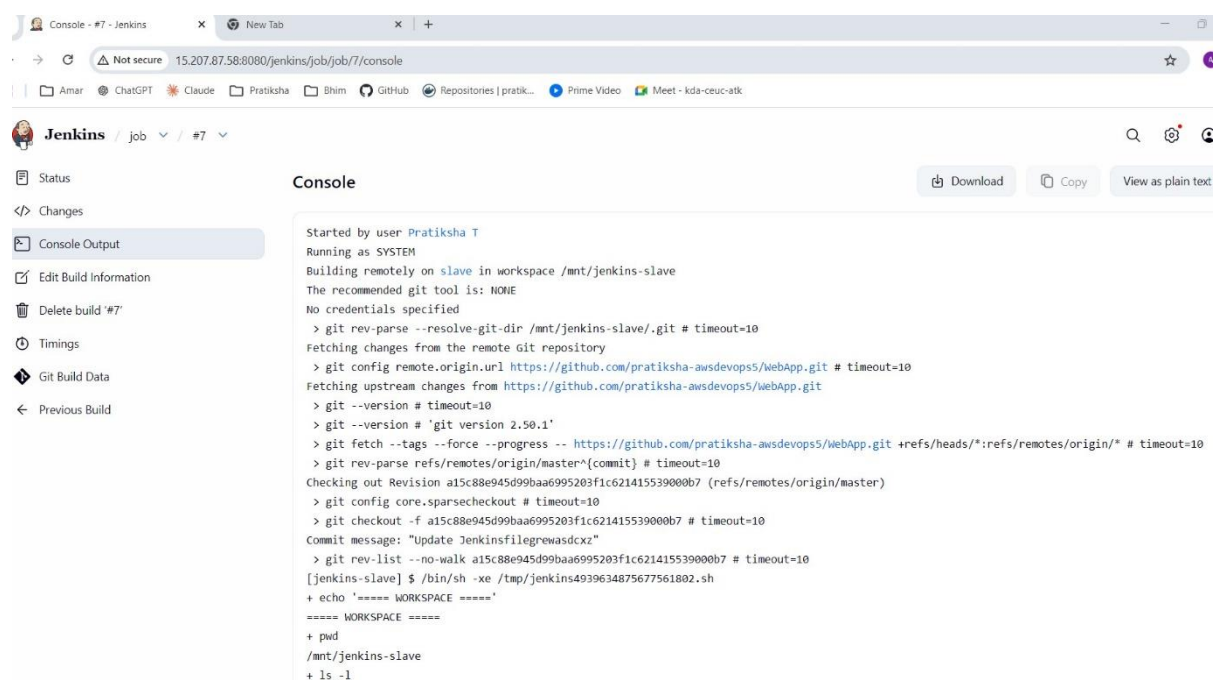
+ Add build step

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

Save Apply

## 9) output-1



Console - #7 - Jenkins

15.207.87.58:8080/jenkins/job/job/7/console

Jenkins / job / #7

Status

Changes

Console Output

Edit Build Information

Delete build #7

Timings

Git Build Data

Previous Build

Console

Download Copy View as plain text

```
Started by user Pratiksha T
Running as SYSTEM
Building remotely on slave in workspace /mnt/jenkins-slave
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /mnt/jenkins-slave/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/pratiksha-awsdevops5/WebApp.git # timeout=10
Fetching upstream changes from https://github.com/pratiksha-awsdevops5/WebApp.git
> git --version # timeout=10
> git --version # 'git version 2.50.1'
> git fetch --tags --force --progress -- https://github.com/pratiksha-awsdevops5/WebApp.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision a15c88e945d99baa6995203f1c621415539000b7 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f a15c88e945d99baa6995203f1c621415539000b7 # timeout=10
Commit message: "Update Jenkinsfilegrewasdcxz"
> git rev-list --no-walk a15c88e945d99baa6995203f1c621415539000b7 # timeout=10
[jenkins-slave] $ /bin/sh -xe /tmp/jenkins4939634875677561802.sh
+ echo '===== WORKSPACE ====='
===== WORKSPACE =====
+ pwd
/mnt/jenkins-slave
+ ls -l
```

## 10) target folder created

```
→ ↻ ⚠ Not secure 15.207.87.58:8080/jenkins/job/job7/console ☆ A
Amar ChatGPT Claude Pratiksha Bhim GitHub Repositories | pratik... Prime Video Meet - kda-ceuc-atk

Jenkins / job / #7

+ ls -l
total 8
-rw-rw-r--. 1 ec2-user ec2-user 507 Feb 10 22:46 Jenkinsfile
-rw-rw-r--. 1 ec2-user ec2-user 949 Feb 10 22:46 pom.xml
drwxrwxr-x. 3 ec2-user ec2-user 22 Feb 10 22:46 remoting
drwxrwxr-x. 3 ec2-user ec2-user 18 Feb 10 22:46 src
drwxrwxr-x. 4 ec2-user ec2-user 70 Feb 10 23:11 target

+ export MAVEN_HOME=/mnt/build-tool/apache-maven-3.9.12
+ MAVEN_HOME=/mnt/build-tool/apache-maven-3.9.12
+ export PATH=/mnt/build-tool/apache-maven-3.9.12/bin:/home/ec2-user/.local/bin:/home/ec2-
user/bin:/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin
+ PATH=/mnt/build-tool/apache-maven-3.9.12/bin:/home/ec2-user/.local/bin:/home/ec2-user/bin:/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin
+ mvn -version
Apache Maven 3.9.12 (848fbb4bf2d427b72bdb2471c22fced7ebd9a7a1)
Maven home: /mnt/build-tool/apache-maven-3.9.12
Java version: 17.0.18, vendor: Amazon.com Inc., runtime: /usr/lib/jvm/java-17-amazon-corretto.x86_64
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.1.161-183.298.amzn2023.x86_64", arch: "amd64", family: "unix"
+ mvn clean package -DskipTests
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.javawebtutor:LoginWebApp >-----
[INFO] Building LoginWebApp Maven Webapp 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ war ]-----
[INFO]
```

## 11)packaging web app

```
enkins / job / #7

[INFO] Building LoginWebApp Maven Webapp 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ war ]-----
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ LoginWebApp ---
[INFO] Deleting /mnt/jenkins-slave/target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ LoginWebApp ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /mnt/jenkins-slave/src/main/resources
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ LoginWebApp ---
[INFO] No sources to compile
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ LoginWebApp ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /mnt/jenkins-slave/src/test/resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ LoginWebApp ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ LoginWebApp ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- war:3.4.0:war (default-war) @ LoginWebApp ---
[INFO] Packaging webapp
[INFO] Assembling webapp [LoginWebApp] in [/mnt/jenkins-slave/target/LoginWebApp]
```

## 12)final output

```
[INFO] --- compiler:3.13.0:compile (default-compile) @ LoginWebApp ---
[INFO] No sources to compile
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ LoginWebApp ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /mnt/jenkins-slave/src/test/resources
[INFO]
[INFO] --- compiler:3.13.0:testCompile (default-testCompile) @ LoginWebApp ---
[INFO] No sources to compile
[INFO]
[INFO] --- surefire:3.2.5:test (default-test) @ LoginWebApp ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- war:3.4.0:war (default-war) @ LoginWebApp ---
[INFO] Packaging webapp
[INFO] Assembling webapp [LoginWebApp] in [/mnt/jenkins-slave/target/LoginWebApp]
[INFO] Processing war project
[INFO] Copying webapp resources [/mnt/jenkins-slave/src/main/webapp]
[INFO] Building war: /mnt/jenkins-slave/target/LoginWebApp.war
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.333 s
[INFO] Finished at: 2026-02-10T23:13:29Z
[INFO] -----
Finished: SUCCESS
```