1. Jenkins Master Machine : Launched EC2 Machine, configured Security group with port no. 80 and port no. 8080 to host website.
2. Installed Java 11 (yum install java-11-amazon-corretto-javadoc.x86\_64) .
3. Install apache httpd server ( yum install httpd –y ) or we can install at the time of creation of Job in Build Step.
4. Download apache tomcat server and deploy Jenkins.war in webapps ----- Jenkins Master Machine

# cd /mnt

# mkdir Servers

# wget <https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.89/bin/apache-tomcat-9.0.89.zip>

# unzip apache-tomcat-9.0.89.zip

#chmod –R 777 apache-tomcat-9.0.89 ---give permission as excutable file is present

# cd apache-tomcat-9.0.89

# cd Webapps/

#wget <https://get.jenkins.io/war-stable/latest/jenkins.war>

# cd apache-tomcat-9.0.89/

# cd bin/

# ./startup.sh --------run this in bin directory to start the tomcat after downloading Jenkins.

1. Install Git > yum install git –y -----Jenkins Master Machine
2. For Creating WAR file we require Maven Tool : Do following configuration –Jenkins Master

1 cd /mnt

2 mkdir Bulid\_tools

3 cd Bulid\_tools/

4 wget <https://dlcdn.apache.org/maven/maven-3/3.9.7/binaries/apache-maven-3.9.7-> bin.zip

5 unzip apache-maven-3.9.7-bin.zip

6 rm -rf apache-maven-3.9.7-bin.zip

7 vi .bash\_profile

export mvn\_home=/mnt/Build\_tools/apache-maven-3.9.7

export PATH=$mvn\_home/bin:$PATH

Logout

Login : sudo su –

8 mvn -----check whether mvn command is running globally or not.

1. Create One Private Key (.pem format), as we are copying war from Jenkins master to another ec2 machine >> cd /mnt >> vi mylinux.pem >> copy paste content of downloaded key

Give permission chmod –R 400 linux.pem . And the location of key is /mnt/mylinux.pem

1. Now Launch one EC2 machine >> SG : Port 80 >> Public ip is 3.144.237.44
2. Install java 11
3. configure apache tomcat in it. The location is mnt/tom\_server/apache-tomcat-9.0.89/webapps
4. Go to Jenkins DashBoard :

Manage Jenkins >> Tools >> Maven Installation >> Give name : Maven Installation >> Select Version >> Apply and Save

New Item : LoginWebApp\_Project > Freestyle Project > OK

Description : Deploying Loginwebapp.war from Jenkins Master to another EC2 Machine

Custom Workspace : /mnt/Custom\_ws

Go to Source code management >

Select Git > Repository Url : <https://github.com/dollypawar/Project.git>

Build Environment :

Select > Delete workspace before build starts

Build Steps > Invoke Top Level Maven Targets

Maven Version > Maven\_Installation

Goal > Clean install

Add Build Step > Execute Shell

**scp -i "/mnt/mylinux.pem" target/LoginWebApp.war ec2-user@3.144.237.44:/mnt/tom\_server/apache-tomcat-9.0.89/webapps**

Apply and Save

Copy Public ip of second machine : you will get the LoginPage

Below I have attached the SS.

