DEVOPS ASSIGNMENT 2

A PROJECT BY
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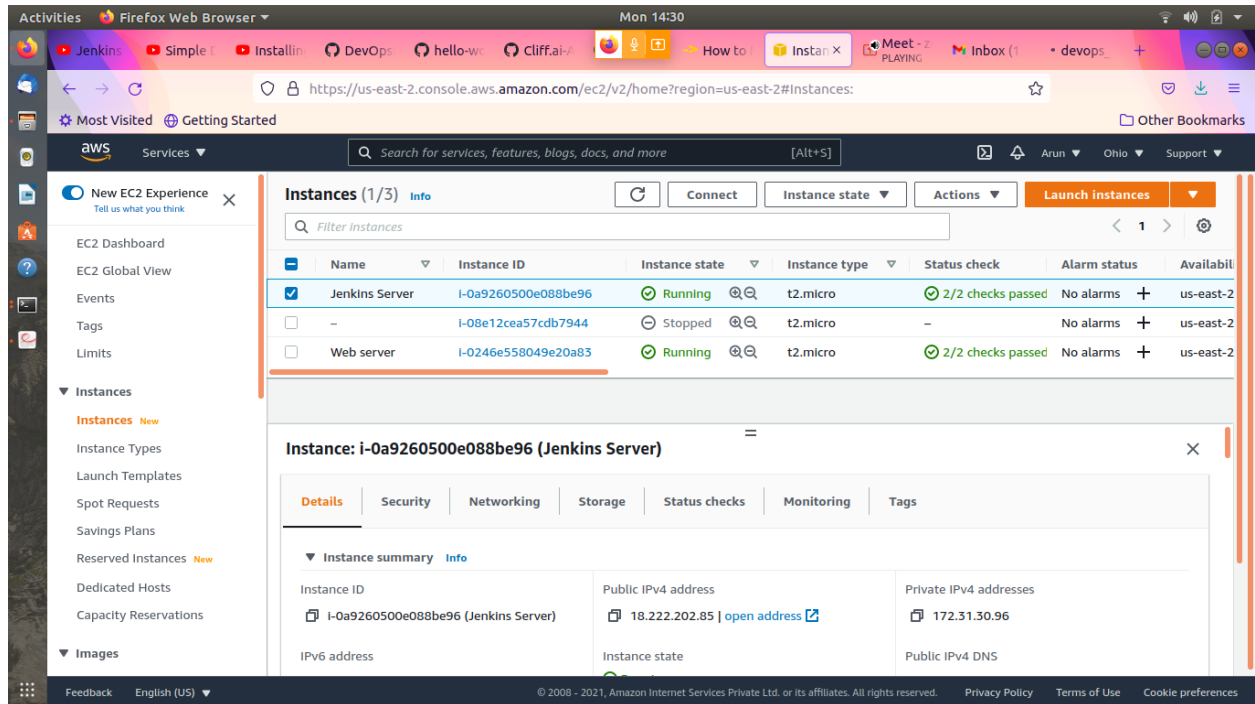UNDER THE GUIDANCE OF
DR. UMA SHESHADRI Ph.D
PROFESSOR,COMPUTER SCIENCE & ENGINEERING,
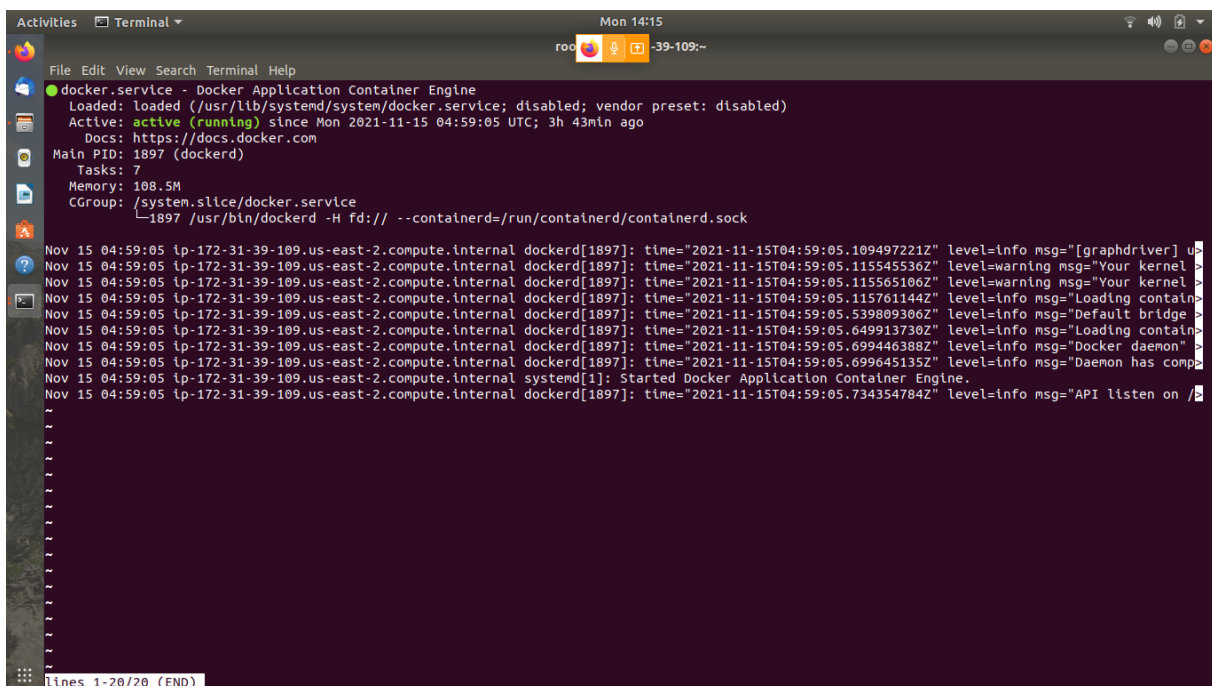**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,DHARWAD.**

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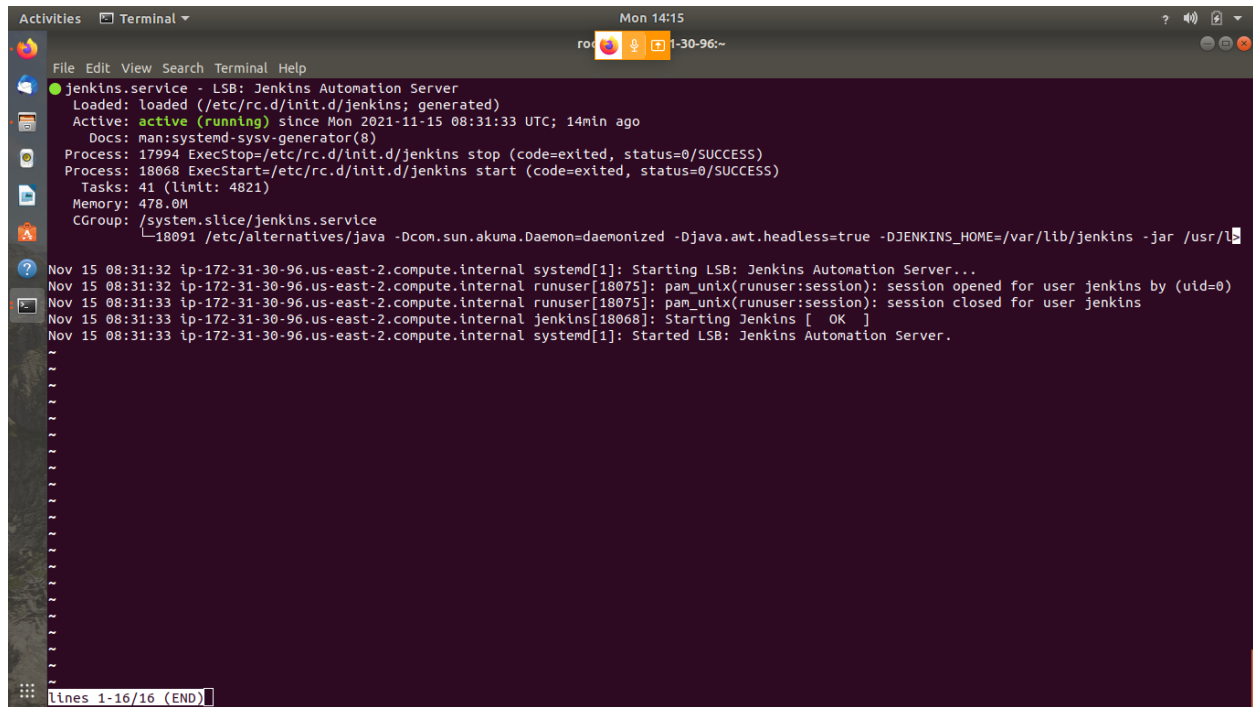## PROBLEM STATEMENT: CREATE A CI/CD PIPELINE USING JENKINS AND DOCKER

#STEP 1: We created two AWS Ec2 Redhat Linux instances naming **Jenkins Server** & **Web Server.**

#STEP 2 : Docker has been installed and initialized in Web Server.

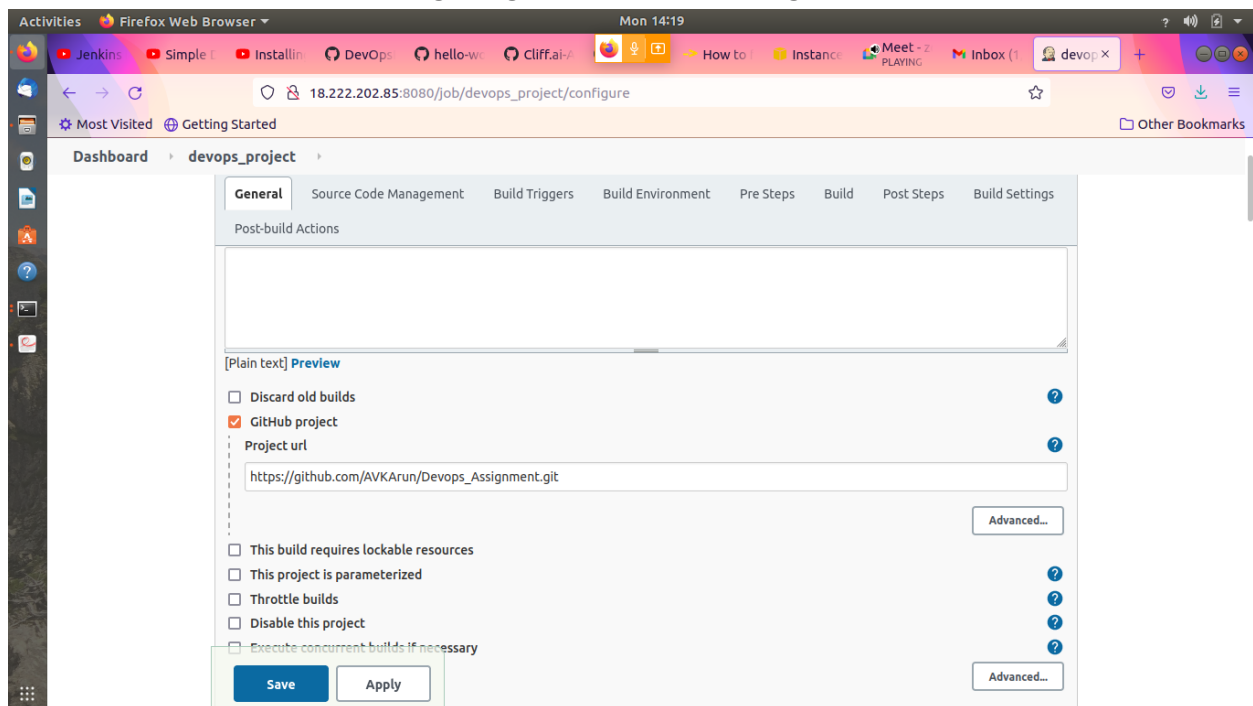**#STEP 3 : We have installed and configured Jenkins and maven in Jenkins Server.**

#STEP 4 : We have created a new Maven Project in the name of devops_project and configuring it with the following steps.

#STEP 5 : Adding the git repository.
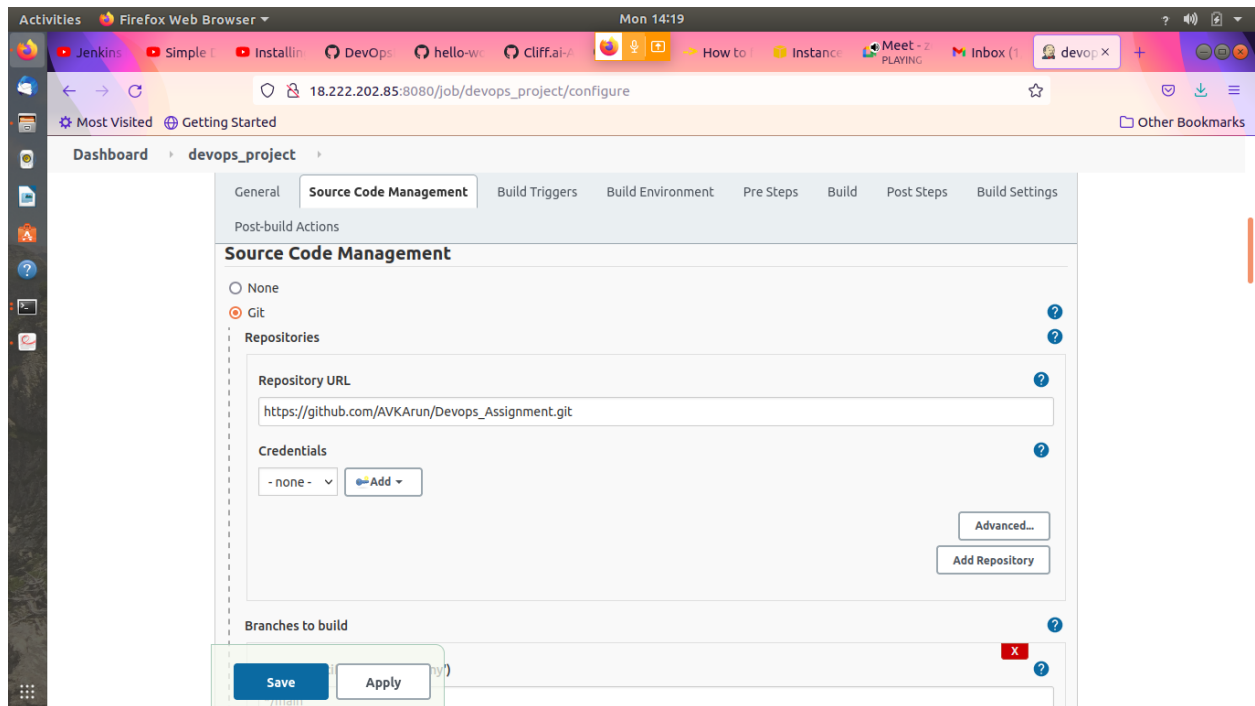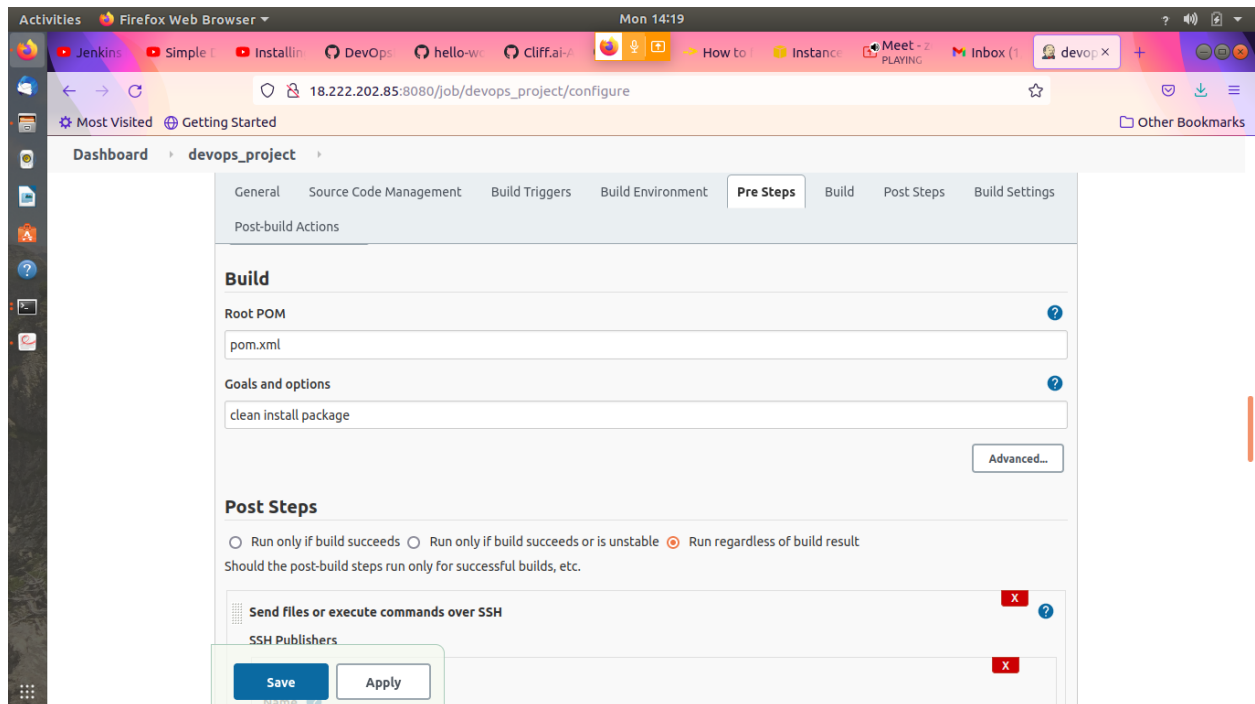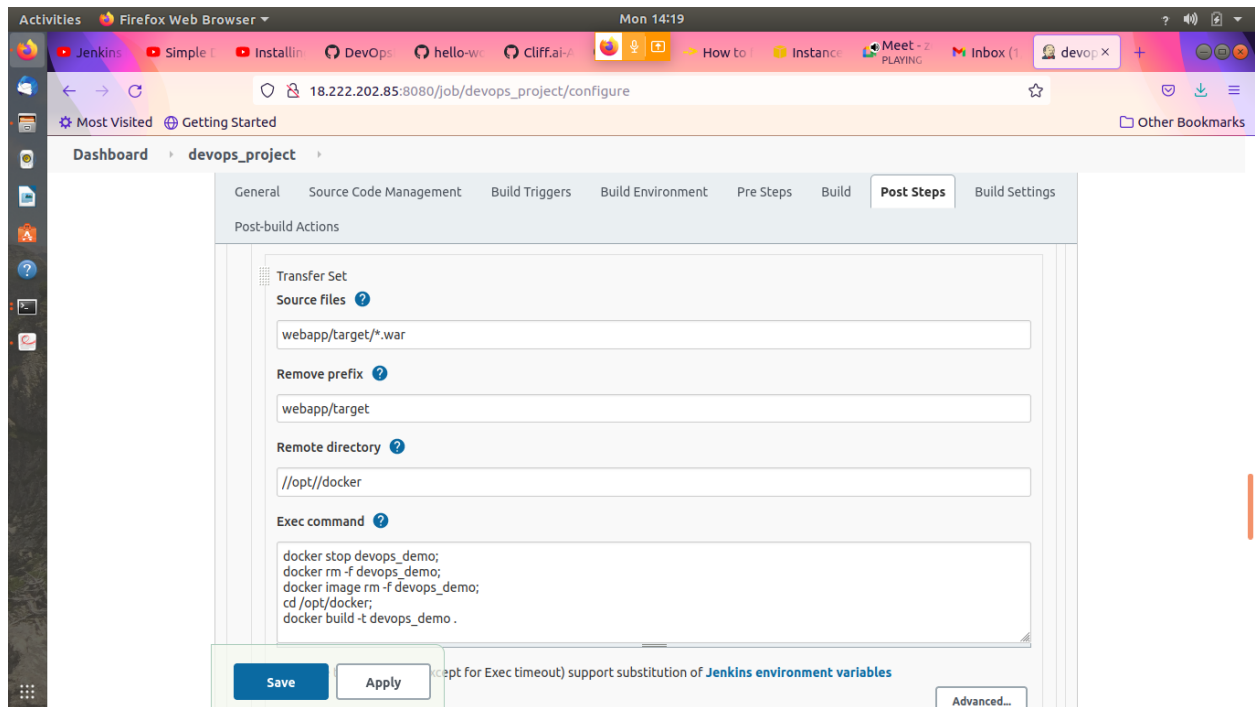

#STEP 6 : Providing goals to Pom.xml file.

#STEP 7 : Configuring SSH Server

#STEP 8 : Build Output

Console Output (Jenkins build #1 for devops_project)

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/devops_project
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/AVKArun/Devops_Assignment.git
 > git init /var/lib/jenkins/workspace/devops_project # timeout=10
Fetching upstream changes from https://github.com/AVKArun/Devops_Assignment.git
 > git --version # timeout=10
 > git --version # 'git version 2.27.0'
 > git fetch --tags --force --progress -- https://github.com/AVKArun/Devops_Assignment.git +refs/heads/*:refs/remotes
/origin/* # timeout=10
 > git config remote.origin.url https://github.com/AVKArun/Devops_Assignment.git # timeout=10
 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision e94d67b09b05b21c885b05272ad814f8344661cf (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f e94d67b09b05b21c885b05272ad814f8344661cf # timeout=10
Commit message: "Add files via upload"
First time build. Skipping changelog.
Parsing POMs
```



```
 > git --version # timeout=10
 > git --version # 'git version 2.27.0'
 > git fetch --tags --force --progress -- https://github.com/AVKArun/Devops_Assignment.git +refs/heads/*:refs/remotes
/origin/* # timeout=10
 > git config remote.origin.url https://github.com/AVKArun/Devops_Assignment.git # timeout=10
 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision e94d67b09b05b21c885b05272ad814f8344661cf (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f e94d67b09b05b21c885b05272ad814f8344661cf # timeout=10
Commit message: "Add files via upload"
First time build. Skipping changelog.
Parsing POMs
Discovered a new module com.example.maven-project:maven-project Maven Project
Discovered a new module com.example.maven-project:server Server
Discovered a new module com.example.maven-project:webapp Webapp
Modules changed, recalculating dependency graph
Established TCP socket on 42229
[devops_project] $ /usr/lib/jvm/java-11-openjdk-11.0.13.0.8-3.el8_5.x86_64/bin/java -cp /var/lib/jenkins/plugins
/maven-plugin/WEB-INF/lib/maven35-agent-1.13.jar:/opt/maven/apache-maven-3.8.3/boot/plexus-classworlds-2.6.0.jar:
/opt/maven/apache-maven-3.8.3/conf/logging jenkins.maven3.agent.Maven35Main /opt/maven/apache-maven-3.8.3 /var/cache
/jenkins/war/WEB-INF/lib/remoting-4.7.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-interceptor-
1.13.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-commons-1.13.jar 42229
<===[JENKINS REMOTING CAPACITY]===>channel started
```

REST API   Jenkins 2.289.3