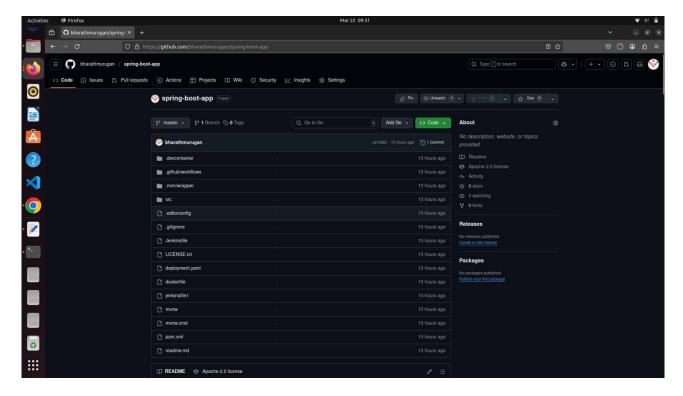
Task 5-Spring Boot with Maven & Tomcat in Docker

https://github.com/bharathmurugan/spring-boot-app



Plugins:

Maven Integration plugin

Pipeline:

Maven plugin

Tools:

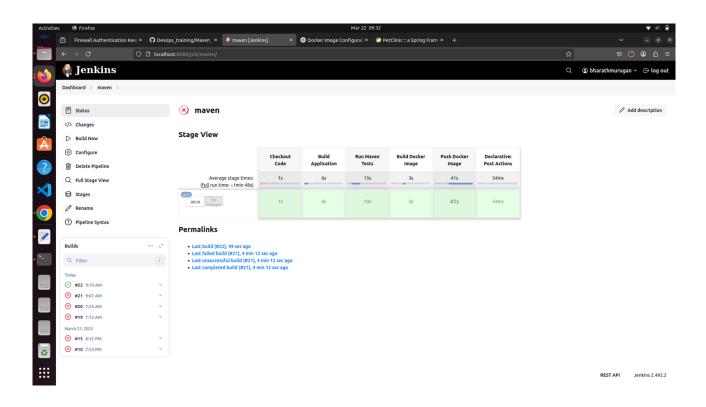
Use maven 3.9.8 and Maven Home as /opt/home

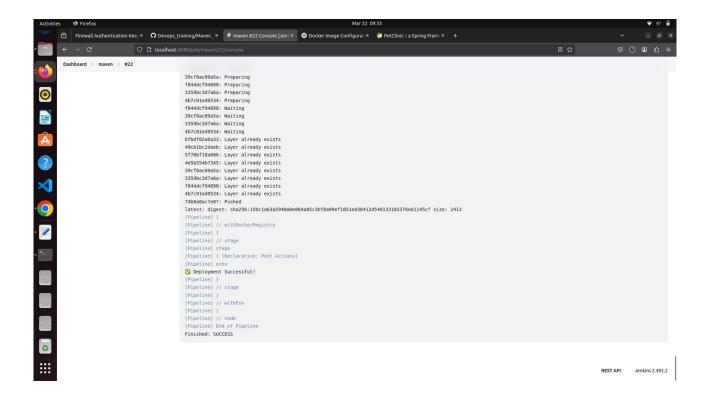
<u>Configure – pipeline:</u>

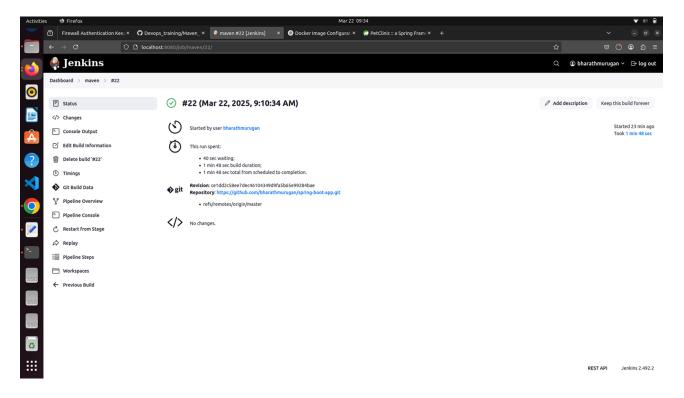
```
pipeline {
    agent any
    environment {
        DOCKER_IMAGE = "bharathm746/spring-boot-app"
        DOCKER_TAG = "latest"
        DOCKER_CREDENTIALS_ID = "docker"
        GITHUB_CREDENTIALS_ID = "github_seccred"
        KUBECONFIG = "/var/lib/jenkins/.kube/config"
        MAVEN_HOME = "/opt/maven" // Set the correct Maven path
    }
    stages {
        stage('Checkout Code') {
        steps {
```

```
git credentialsId: GITHUB CREDENTIALS ID, url:
'https://github.com/bharathmurugan/spring-boot-app', branch: 'master'
}
stage('Build Application') {
steps {
script {
sh "${MAVEN HOME}/bin/mvn clean package -DskipTests"
}
stage('Run Maven Tests') {
steps {
script {
catchError(buildResult: 'SUCCESS', stageResult: 'FAILURE') {
sh "${MAVEN_HOME}/bin/mvn test"
stage('Build Docker Image') {
steps {
script {
sh "docker build -t ${DOCKER_IMAGE}:${DOCKER_TAG} ."
stage('Push Docker Image') {
steps {
withDockerRegistry([credentialsId: DOCKER_CREDENTIALS_ID, url: "]) {
sh "docker push ${DOCKER_IMAGE}:${DOCKER_TAG}"
}
// Uncomment this stage when Kubernetes deployment is ready
// stage('Deploy to Kubernetes') {
// steps {
// script {
// sh ""
// chmod +x scripts/deploy.sh
// ./scripts/deploy.sh
// ""
// }
// }
// }
post {
success {
echo "

✓ Deployment Successful!"
failure {
echo "XDeployment Failed!"
```

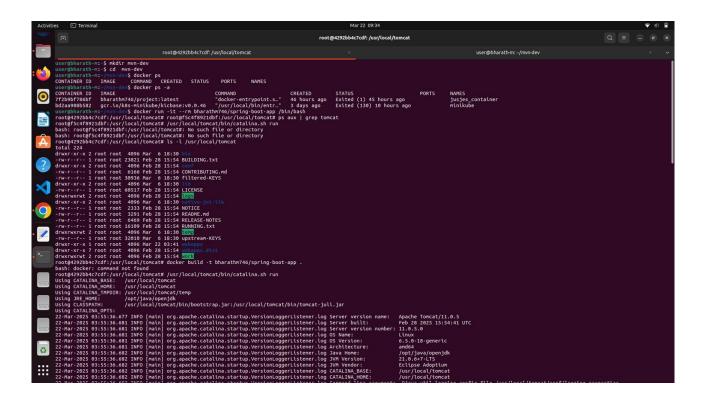


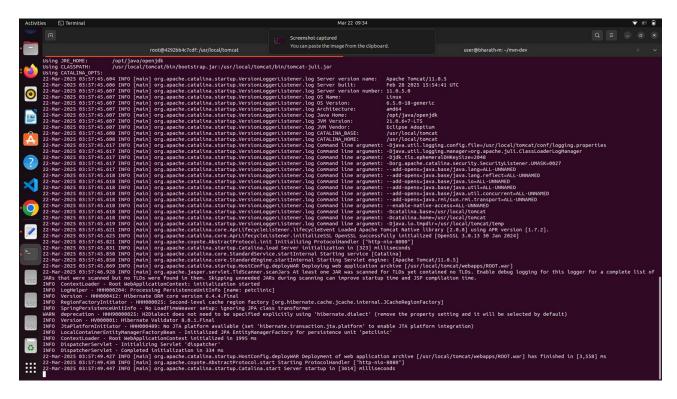




After build:

docker ps -a docker run -it bharathm746/spring-boot-app:latest /bin/bash root@f5c4f8921dbf:/usr/local/tomcat# ps aux | grep tomcat root@f5c4f8921dbf:/usr/local/tomcat# /usr/local/tomcat/bin/catalina.sh run





<u>In new terminal -</u>

docker run -d -p 9091:8080 bharathm746/spring-boot-app:latest

