DEVSECOPS PROJECT – 3 (COMPLETE CI-CD PETSHOP)

NAME: MEKALA PAVAN KUMAR **EMAIL**: pavanyadaveee@gmail.com

PHONE NO: 9177560359

BATCH NO: 3PM, 113

COURSE: AWS AND DEVOPS

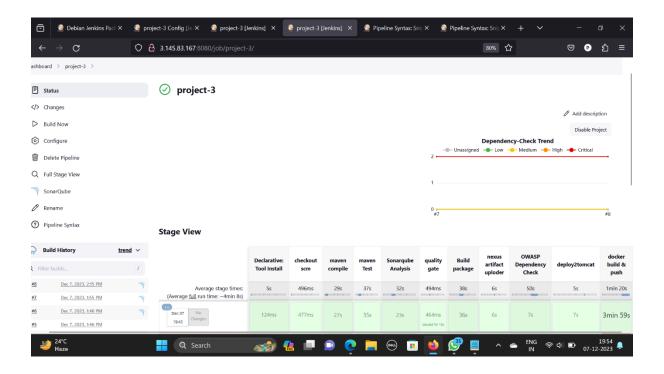
TRAINER NAME: V. MADHUKAR REDDY

1.PIPELINE SYNTAX

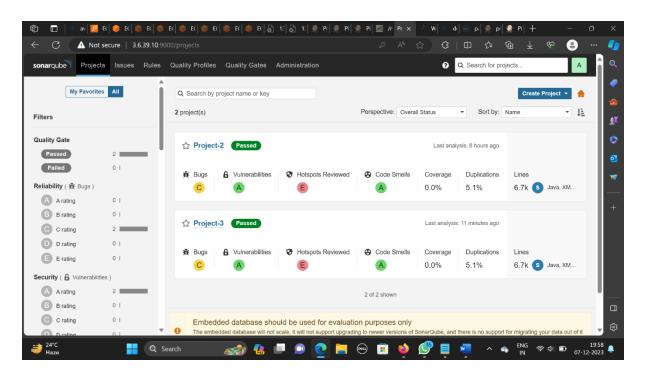
```
pipeline{
  agent any
  tools {
    jdk 'jdk17'
    maven 'maven3'
  environment {
    SCANNER_HOME=tool 'sonar-scanner'
  stages{
    stage ('checkout scm') {
      steps {
        checkout scmGit(branches: [[name: '*/master']], extensions: [], userRemoteConfigs: [[url:
'https://github.com/Aj7Ay/jpetstore-6.git']])
      }
    stage ('maven compile') {
      steps {
        sh 'mvn clean compile'
      }
    stage ('maven Test') {
      steps {
        sh 'mvn test'
      }
    stage("Sonarqube Analysis "){
      steps{
        withSonarQubeEnv('sonar-server') {
          sh " $SCANNER_HOME/bin/sonar-scanner -Dsonar.projectName=Project-3 \
          -Dsonar.java.binaries=. \
          -Dsonar.projectKey=Project-3 ""
        }
      }
    stage("quality gate"){
```

```
steps {
         script {
           waitForQualityGate abortPipeline: false, credentialsId: 'sonar-token'
        }
      }
    }
    stage ('Build package'){
      steps{
         sh 'mvn package'
      }
    }
    stage('nexus artifact uploader'){
      steps{
         nexusArtifactUploader artifacts: [[artifactId: 'jpetstore', classifier: ", file:
'/var/lib/jenkins/workspace/project-3/target/jpetstore.war', type: 'war']], credentialsId: 'nexus-cred',
groupId: 'org.mybatis', nexusUrl: '65.0.75.133:8081', nexusVersion: 'nexus3', protocol: 'http',
repository: 'project', version: '6.1.1-SNAPSHOT'
    }
    stage("OWASP Dependency Check"){
         dependencyCheck additionalArguments: '--scan ./ --format XML ', odcInstallation: 'Dp-check'
         dependencyCheckPublisher pattern: '**/dependency-check-report.xml'
      }
    }
    stage('deploy2tomcat'){
      steps{
         deploy adapters: [tomcat9(credentialsId: 'tomcat-cred', path: ", url:
'http://13.234.29.65:8080/')], contextPath: null, war: '**/*.war'
      }
    }
    stage('docker build & push'){
      steps{
         script{
           withDockerRegistry(credentialsId: 'docker-cred') {
             sh "docker build -t pavan1359/pavan_repo1:v1.0.0."
             sh "docker push pavan1359/pavan_repo1:v1.0.0"
           }
        }
      }
    }
  }
```

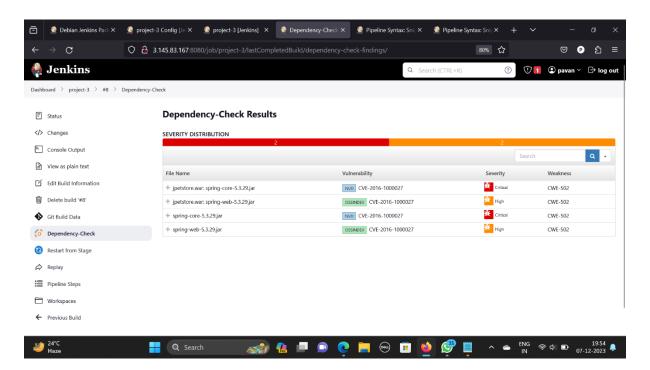
OUTPUT:



SonarQube Analysis status:



Dependency check status:



Nexus Artifact Uploader:

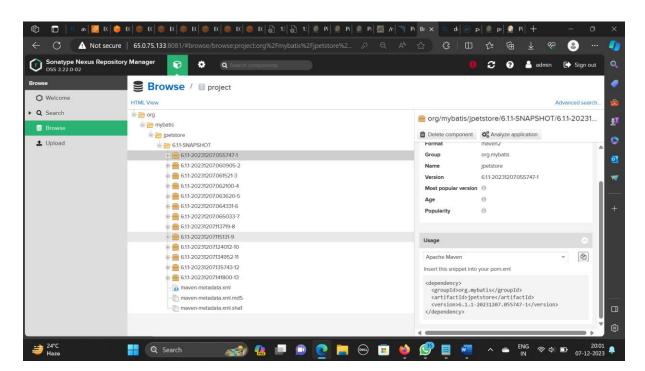
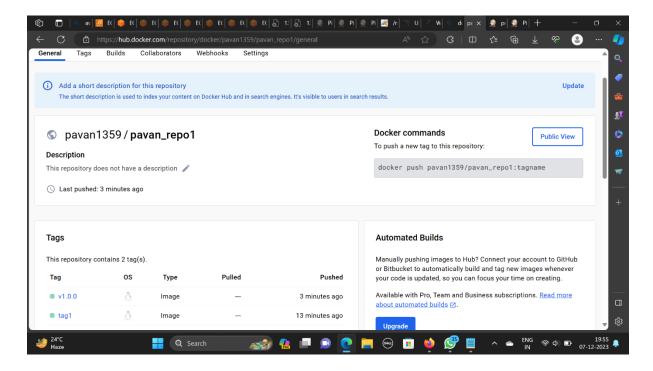


Image pushed to Docker Hub:



Deployed to Tomcat:

