# **DEVSECOPS PROJECTS – 2 (COMPLETE CI-CD PETSHOP Project) Deploy to Tomcat**

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**COURSE:** AWS AND DEVOPS

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#### **PIPELINE SYNTAX:**

```
in Eline Sintinut.
```

```
DEVSECOPS-Project-2-Venkatesh
pipeline{
  agent any
  tools {
    jdk 'jdk17'
    maven 'maven3'
  }
  environment {
    SCANNER_HOME=tool 'sonar-scanner'
  }
  stages{
    stage ('clean Workspace'){
      steps{
        cleanWs()
      }
    }
    stage ('checkout scm') {
      steps {
        git '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=Petshop \
          -Dsonar.java.binaries=. \
          -Dsonar.projectKey=Petshop "
        }
      }
    }
    stage("quality gate"){
      steps {
        script {
         waitForQualityGate abortPipeline: false, credentialsId: 'Sonar-token'
        }
     }
    }
    stage("maven package"){
      steps {
        sh 'mvn package'
      }
    }
    stage("OWASP Dependency Check"){
      steps{
        dependencyCheck additionalArguments: '--scan ./ --format XML', odcInstallation: 'Dependency-
Check'
```

```
dependencyCheckPublisher pattern: '**/dependency-check-report.xml'
        }
     }
     stage("nexus artifactory"){
        steps{
           nexusArtifactUploader artifacts: [[artifactId: 'jpetstore', classifier: ", file:
'/var/lib/jenkins/workspace/Devsecops-project-2/target/jpetstore.war', type: 'war']], credentialsId: ",
groupId: 'org.mybatis', nexusUrl: ", nexusVersion: 'nexus2', protocol: 'http', repository: 'maven-snapshots',
version: '6.1.1-SNAPSHOT'
        }
     }
     stage('Deploy to Tomcat'){
           deploy adapters: [tomcat9(credentialsId: 'tomcat', path: '', url: 'http://107.21.164.148:8083')],
contextPath: null, war: '**/*.war'
        }
     }
  }
}
OUTPUT:

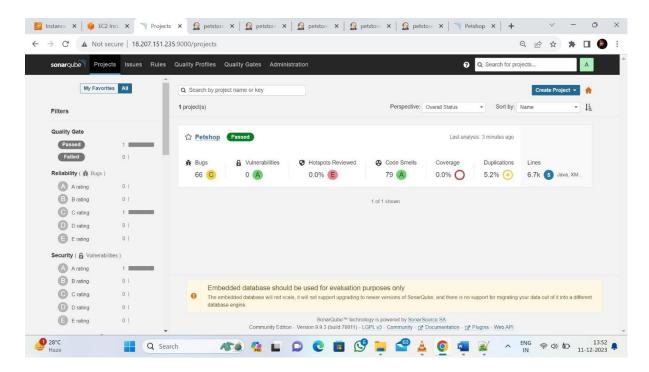
      Instances
      x
      ● EC2 Instant
      x
      ● Repositoric
      x
      ● Component
      x
      ↑ Projects
      x
      ♠ Jpetstore-C
      x
      ♠ Devsecops
      x
      ✔ /manager
      x
      +

  ← → C A Not secure | 107.21.164.148:8080/job/Devsecops-project-2/
                                                                                                                           역 순 ☆ 🛊 🗆 🚳 :
🦣 Jenkins

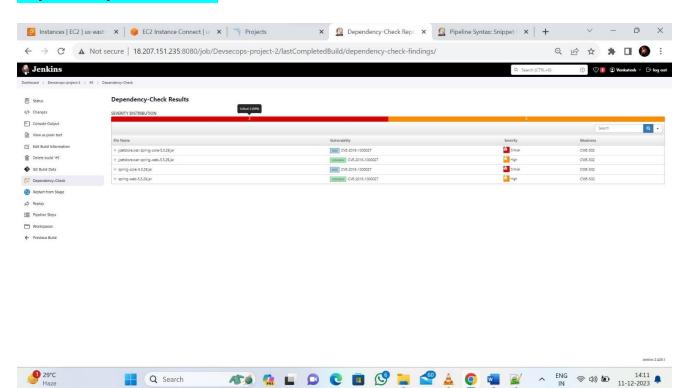
Status

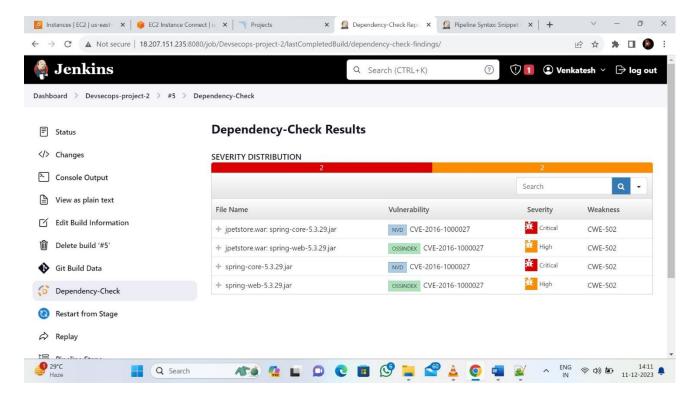
Devsecops-project-2
 Build Now
 (a) Configure
 Q Full Stage View
  SonarQube
 @ Rename
 Pipeline Syntax
Q Filter builds...
⊕ #13
⊕ #12
     11 Dec 2023, 16:21
                      SonarQube Quality Gate
   M Atom feed for all M Atom feed for failures
                                                👫 🍇 ዬ 📮 🖸 🥲 🛅 🗳 ធ 🧿 🧵
```

### SonarQube Analysis status:

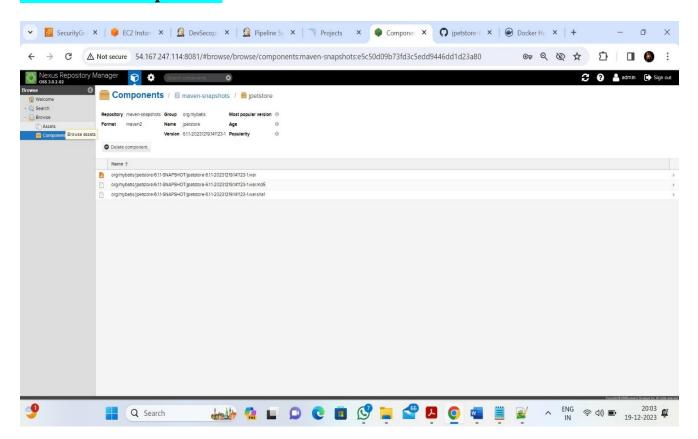


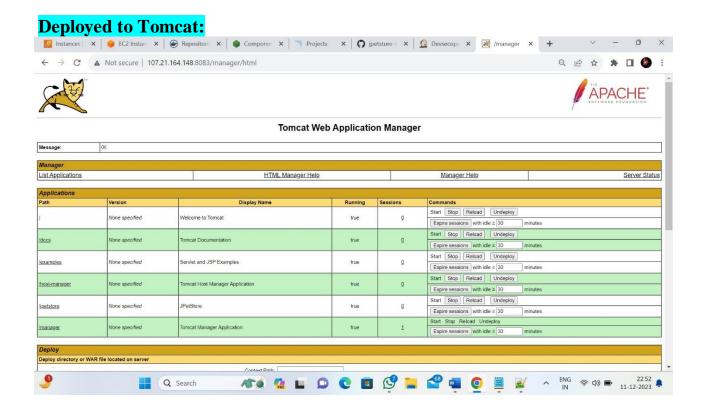
# **Dependency check status:**



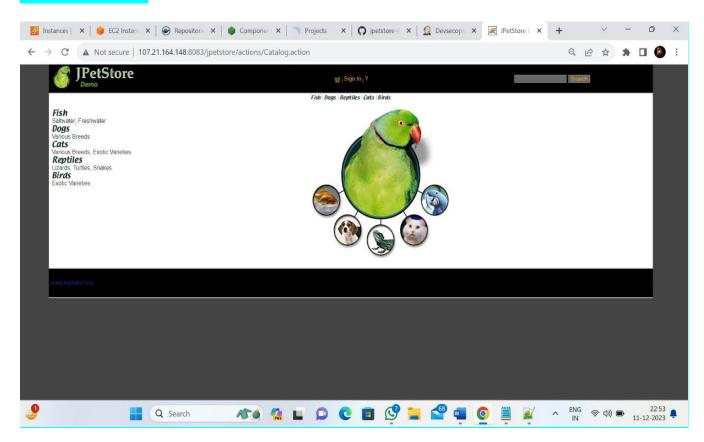


# **Nexus Artifact Uploader:**





#### FINALL OUTPUT:



# **Plugins Installed In these Project are:**

Maven Integration (No Need to restart the jenkins)

**Config file provider** 

Pipeline maven integration

**Eclipse Temurin installer** 

**Sonarqube Scanner** 

**OWASP dependency-Check** 

**Deploy to container**