**DEVSECOPS Project: Complete CI-CD Pet shop**

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**COURSE:** AWS Devops vcube software solutions

**BATCH:** 112 (12PM)

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**For this project needed plugins:**

**1. Maven**

* + 1. **Maven integration**
    2. **Config file provider**
    3. **Pipeline maven integration**

1. **Jdk**
   * 1. **Eclipse temurin installer**
2. **Sonarqube**
   * 1. **Sonarqube server**
3. **Deploy**
   * 1. **deploy to container**

**Tools:**

**Java ------------jdk-17**

**Maven -------------maven3**

**Jenkins pipeline:**

**pipeline{**

**agent any**

**tools{**

**jdk'jdk17'**

**maven'maven3'**

**}**

**environment {**

**SCANNER\_HOME=tool 'sonar-scanner'**

**}**

**stages{**

**stage ('clean Workspace'){**

**steps{**

**cleanWs()**

**}**

**}**

**stage('checkout'){**

**steps{**

**checkout scmGit(branches: [[name: '\*/dev']], extensions: [], userRemoteConfigs: [[url: 'https://github.com/ravi223344/taxi-booking.git']]) }**

**}**

**stage('code compile'){**

**steps{**

**sh 'mvn compile'**

**}**

**}**

**stage('code test'){**

**steps{**

**sh 'mvn test'**

**}**

**}**

**stage('sonar analysis'){**

**steps{**

**withSonarQubeEnv('sonar-scanner') {**

**sh ''' $SCANNER\_HOME/bin/sonar-scanner -Dsonar.projectName=ravipetshop \**

**-Dsonar.java.binaries=. \**

**-Dsonar.projectKey=ravipetshop '''**

**}**

**}**

**}**

**stage("quality gate"){**

**steps {**

**script {**

**waitForQualityGate abortPipeline: false, credentialsId: 'sonar'**

**}**

**}**

**}**

**stage('Application Build'){**

**steps{**

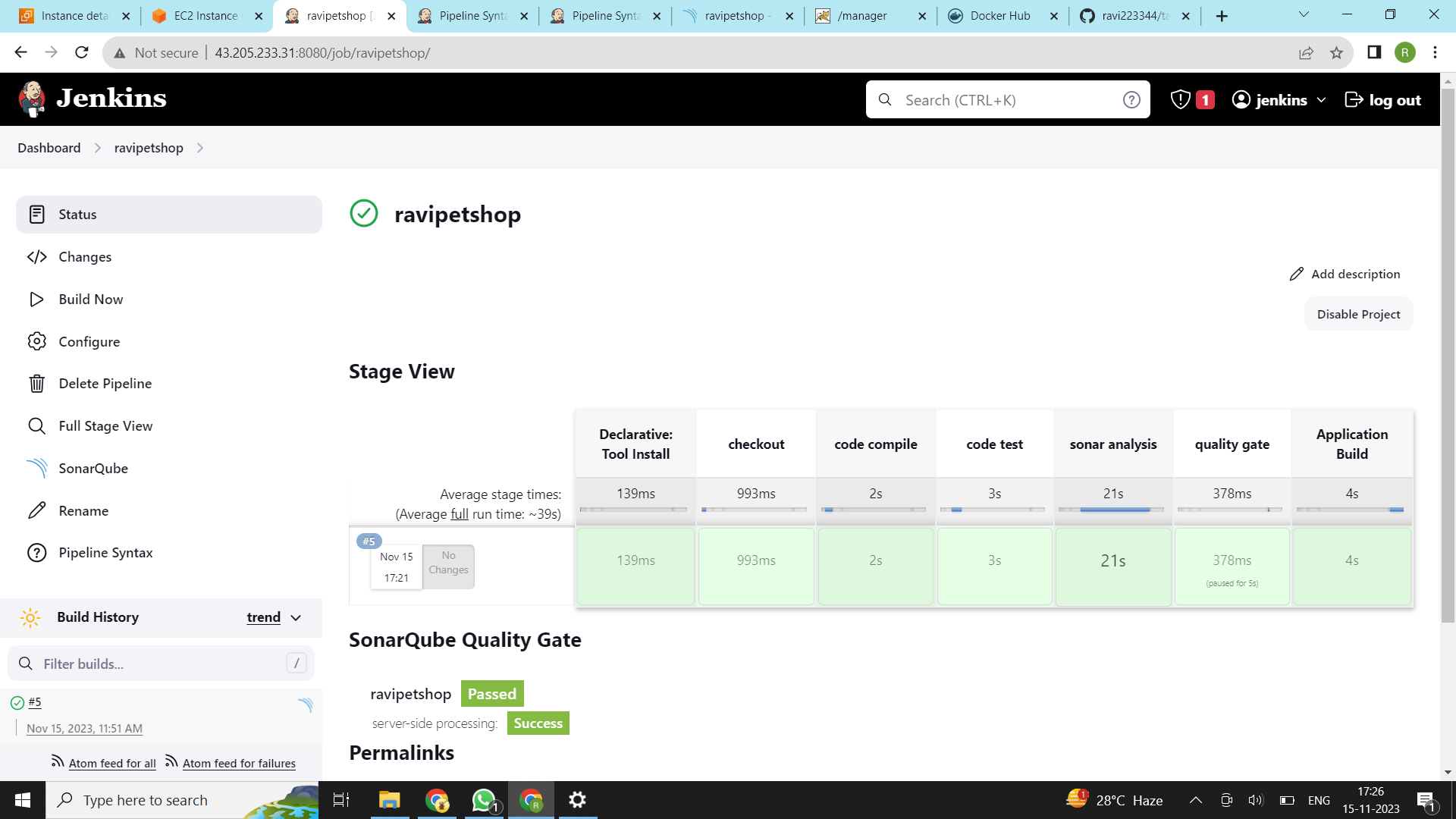
**sh 'mvn package -X'**

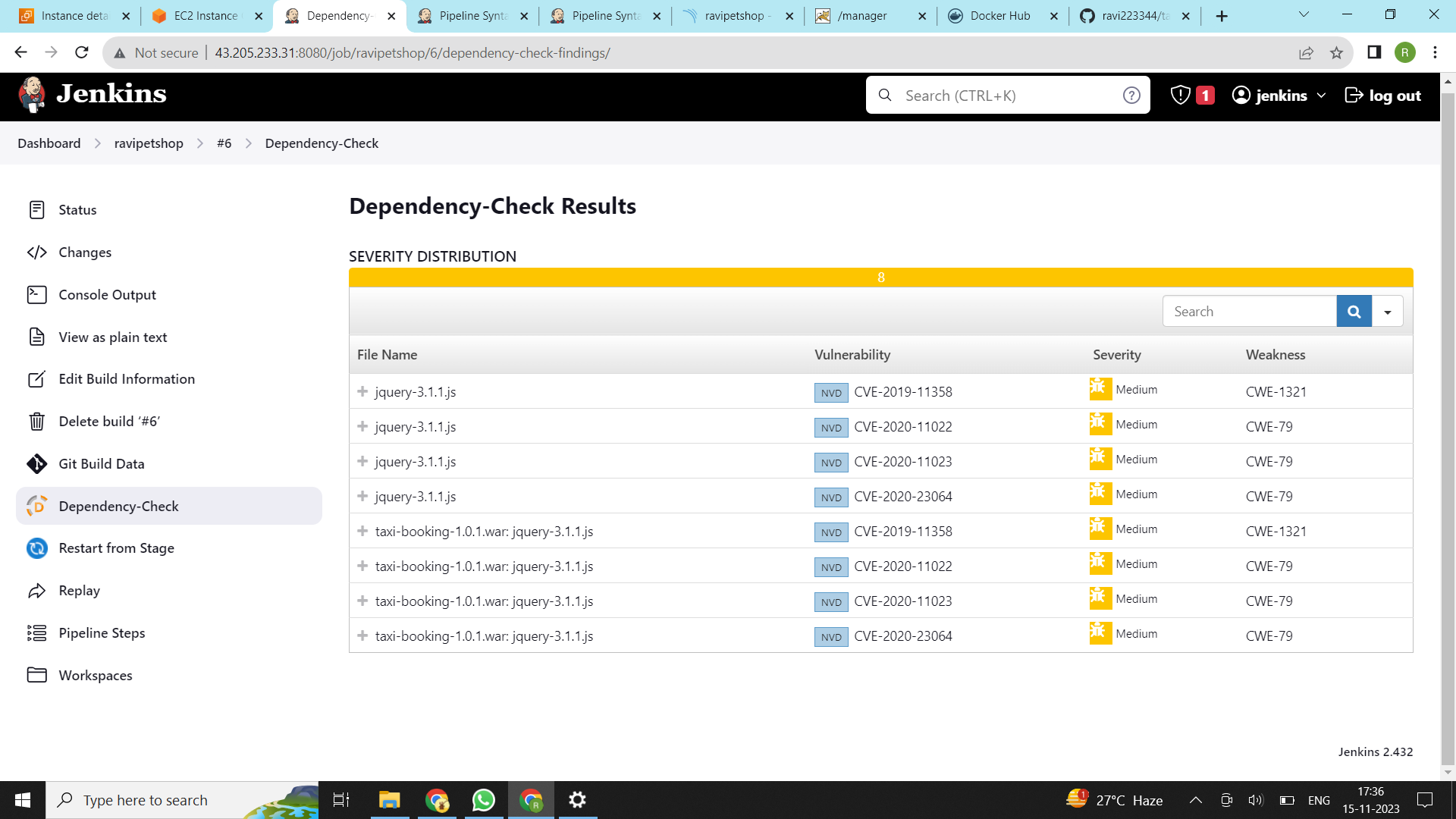
**}**

**}**

**}**

**}**

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