

NIPUN SINGAL
R171218069
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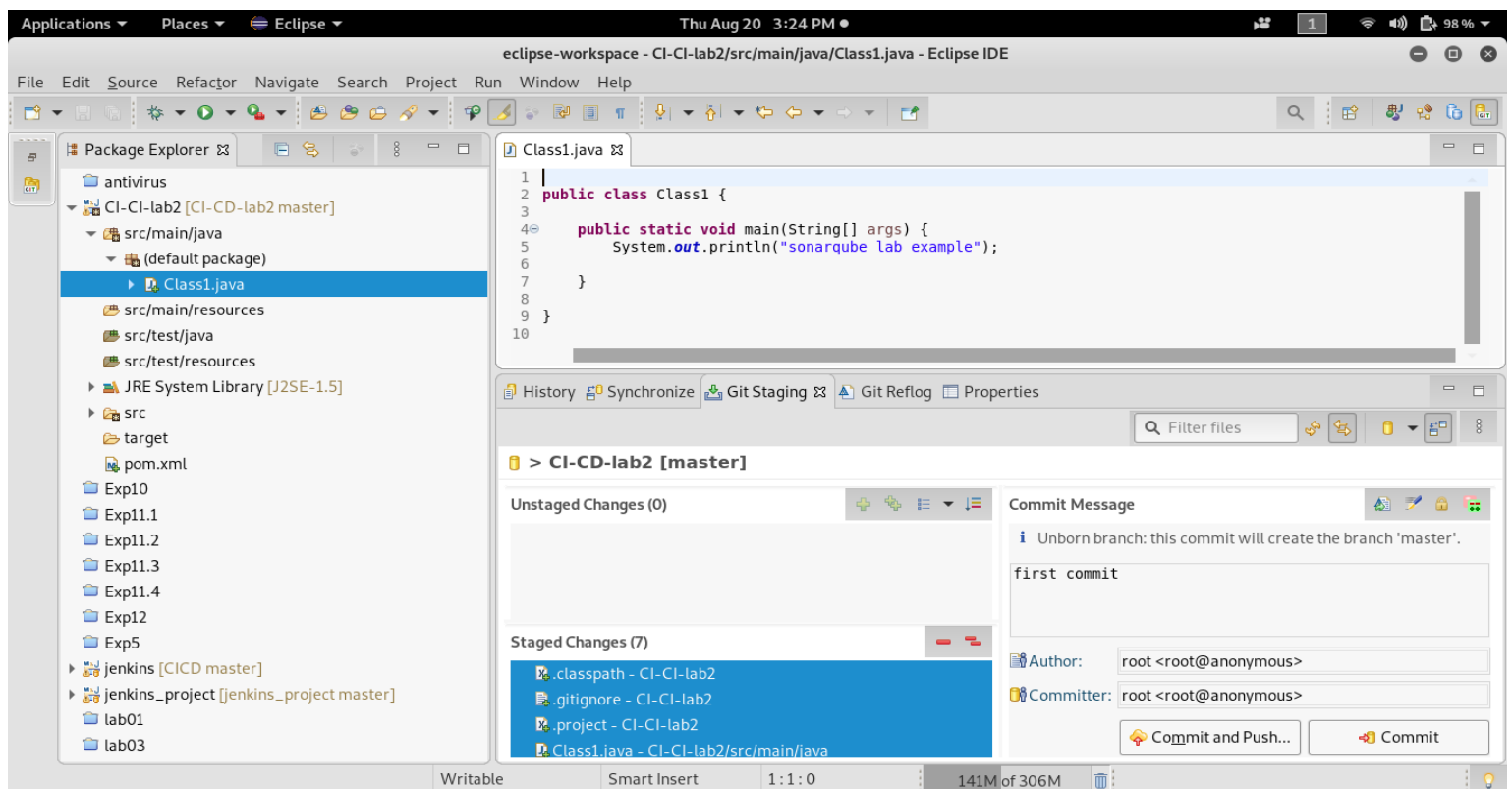
CICD LAB FILE

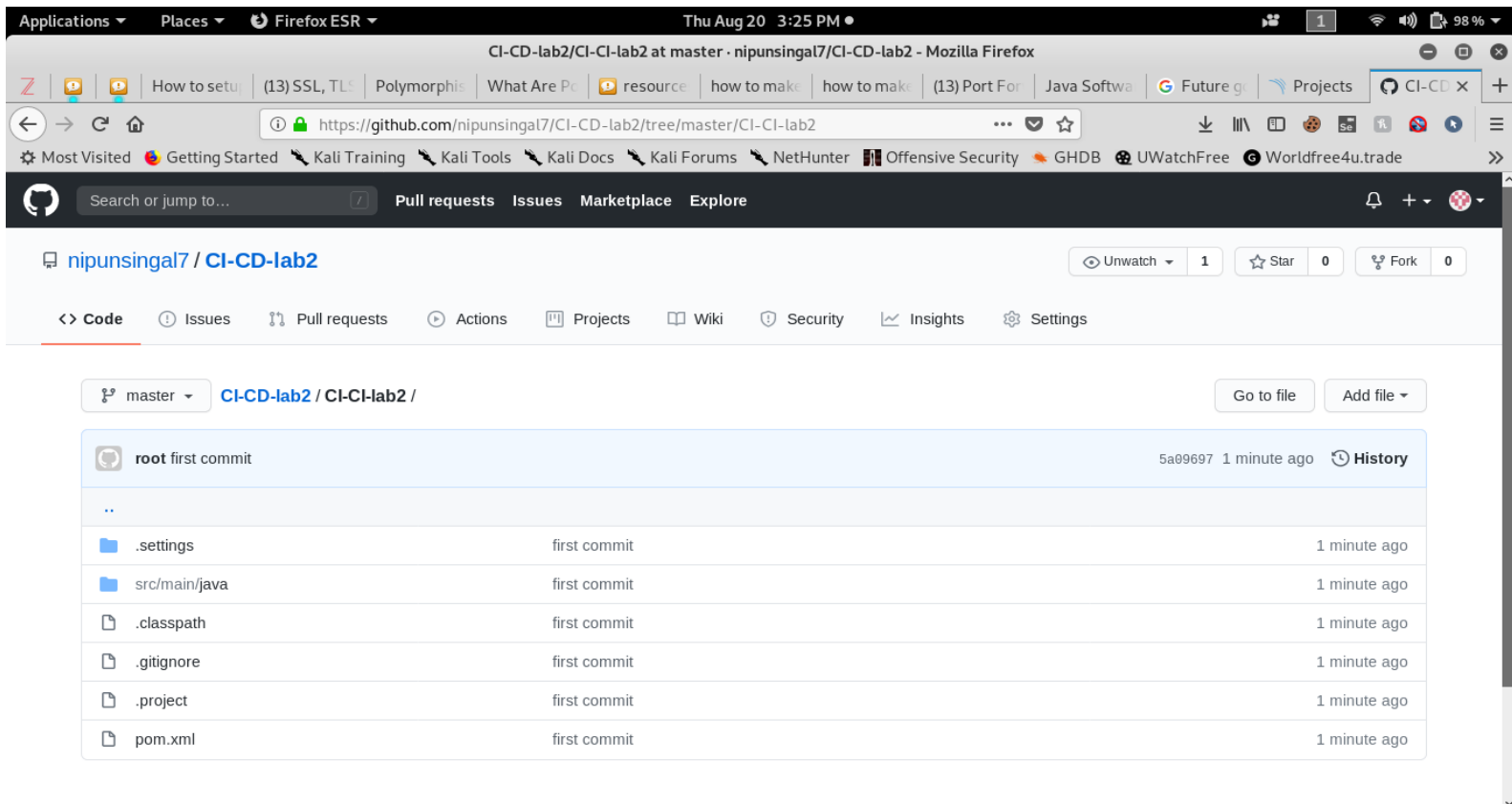
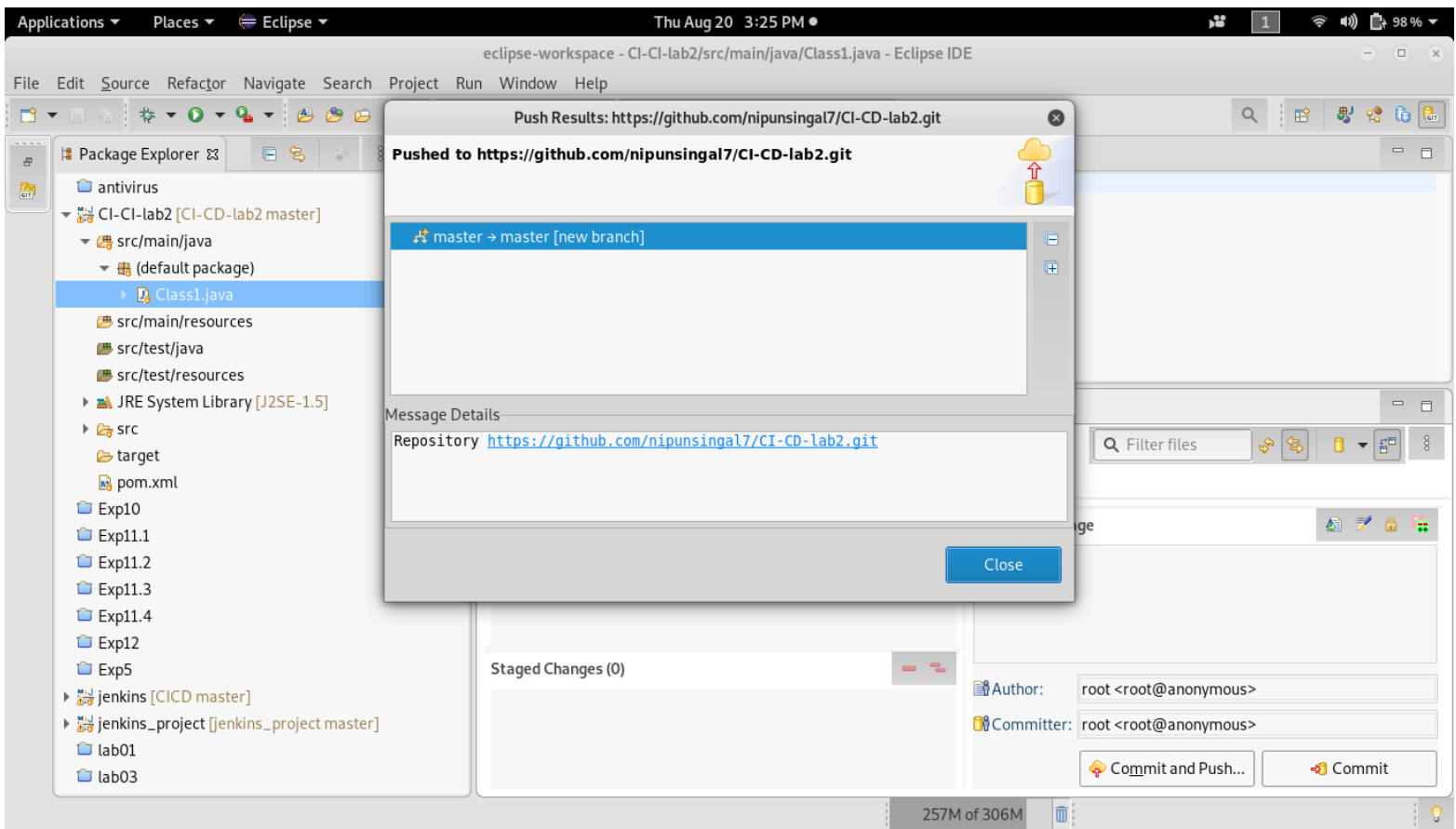
EXPERIMENT-5

AIM: Jenkins integration with SonarQube

Steps: 1) Open eclipse and make a maven project in it

2) Push the maven project to the github





3) Open jenkins and go to manage jenkins, then go to manage plugins

4) Now install the sonarqube plugin

Applications ▾ Places ▾ Firefox ESR ▾ Thu Aug 20 11:01 PM • 1 97% ▾

Update Center [Jenkins] - Mozilla Firefox

localhost:8080/updateCenter/

Jenkins search ? 2 nipunsingal log out

Jenkins ▸ Update Center

Back to Dashboard
Manage Jenkins
Manage Plugins

Installing Plugins/Upgrades

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

SonarQube Scanner Installing

Restarting Jenkins Pending

Go back to the top page
(you can start using the installed plugins right away)

☒ Restart Jenkins when installation is complete and no jobs are running

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Aug 20, 2020, 11:01:41 PM IST

REST API

Jenkins 2.235.2

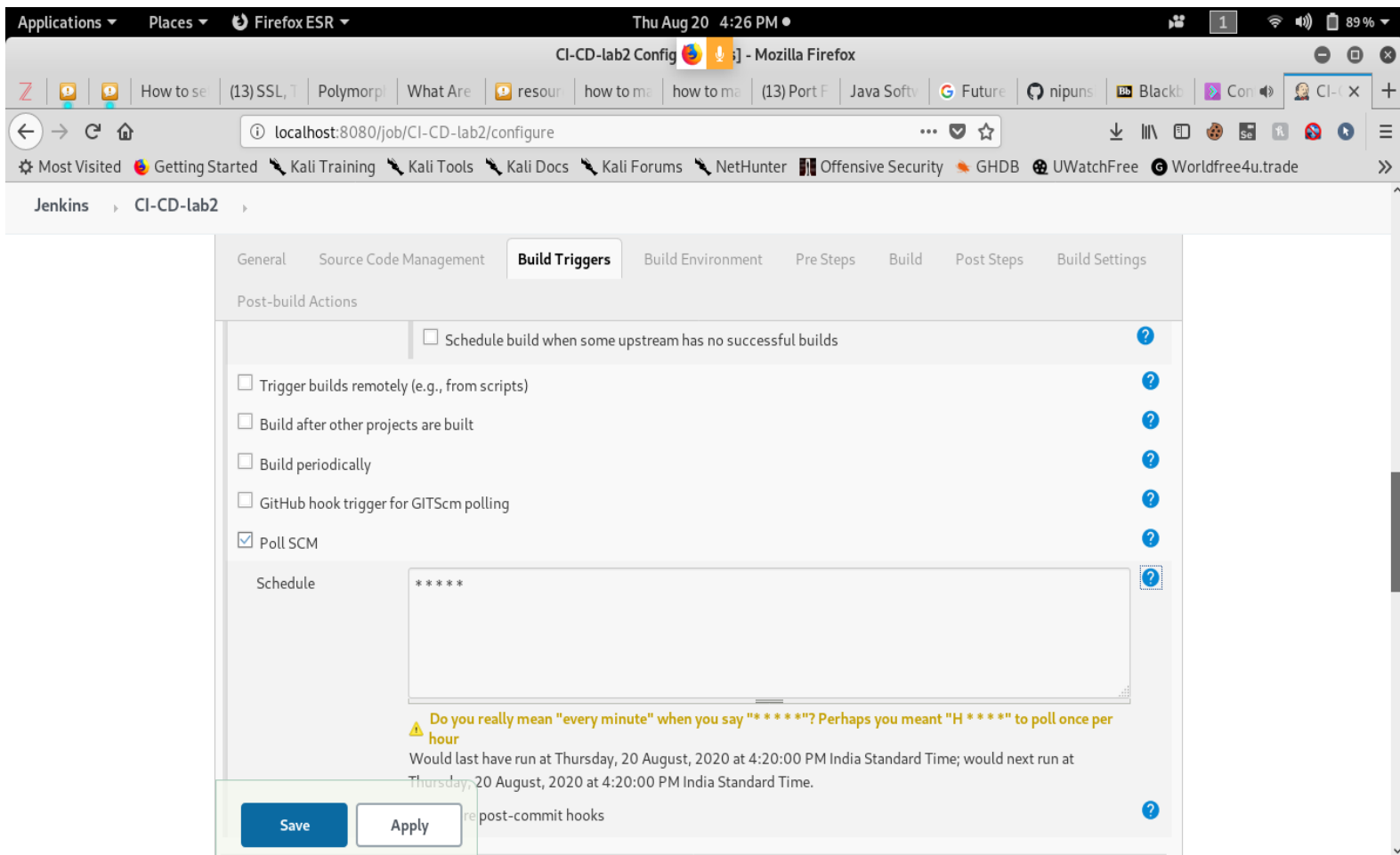
5) Go to new items and select the maven project

6) put the github repo url

7) Select poll scm and put 5 stars which depicts check and build every minute

8) Give poem file path and in goal put the sonarqube command

9) Save and build and check sonarqube



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CI-CD-lab2 Config [Jenkins] - Mozilla Firefox

localhost:8080/job/CI-CD-lab2/configure

Jenkins ▸ CI-CD-lab2 ▸

General Source Code Management Build Triggers Build Environment **Pre Steps** Build Post Steps Build Settings

Post-build Actions

Pre Steps

Add pre-build step ▾

Build

Root POM CI-CI-lab2/pom.xml ?

Goals and options ?

Advanced...

Post Steps

☐ Run only if build succeeds ☐ Run only if build succeeds or is unstable ☒ Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Save Apply

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CI-CD-lab2 #5 Console [Jenkins] - Mozilla Firefox

localhost:8080/job/CI-CD-lab2/5/console

Jenkins ▸ CI-CD-lab2 ▸ #5

```
[INFO] SCM Publisher 2 source files to be analyzed
[INFO] SCM Publisher 2/2 source files have been analyzed (done) | time=345ms
[INFO] CPD Executor 1 file had no CPD blocks
[INFO] CPD Executor Calculating CPD for 0 files
[INFO] CPD Executor CPD calculation finished (done) | time=0ms
[INFO] Analysis report generated in 188ms, dir size=82 KB
[INFO] Analysis report compressed in 20ms, zip size=13 KB
[INFO] Analysis report uploaded in 54002ms
[INFO] ANALYSIS SUCCESSFUL, you can browse http://localhost:9000/dashboard?id=devops%3ACI-CI-lab2
[INFO] Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
[INFO] More about the report processing at http://localhost:9000/api/ce/task?id=AXQNSgGnCs8Q640r9cum
[INFO] Analysis total time: 2:58.175 s
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 05:12 min
[INFO] Finished at: 2020-08-21T00:43:09+05:30
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /var/lib/jenkins/workspace/CI-CD-lab2/CI-CI-lab2/pom.xml to devops/CI-CI-lab2/0.0.1-SNAPSHOT/CI-CI-lab2-0.0.1-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/CI-CD-lab2/CI-CI-lab2/target/CI-CI-lab2-0.0.1-SNAPSHOT.jar to devops/CI-CI-lab2/0.0.1-SNAPSHOT/CI-CI-lab2-0.0.1-SNAPSHOT.jar
channel stopped
Finished: SUCCESS
```

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Projects - Mozilla Firefox

localhost:9000/projects

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sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

My Favorites All

Perspective: Overall Status Sort by: Name

Search by project name or key

1 projects

CI-CI-lab2 Passed

Last analysis: August 21, 2020, 12:41 AM

0 A Bugs 0 A Vulnerabilities - A Hotspots Reviewed 2 A Code Smells 0.0% Coverage 0.0% Duplications 15 XS XML, Java

1 of 1 shown

Embedded database should be used for evaluation purposes only

The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

SonarQube™ technology is powered by SonarSource SA

Community Edition - Version 8.4.1 (build 35646) - LGPL v3 - Community - Documentation - Get Support - Plugins - Web API - About

Applications ▾ Places ▾ Firefox ESR ▾ Fri Aug 21 12:45 AM •

CI-CI-lab2 - Mozilla Firefox

localhost:9000/dashboard?id=devops%3ACI-CI-lab2

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sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

CI-CI-lab2 master

Last analysis had 1 warning August 21, 2020, 12:41 AM Version 0.0.1-SNAPSHOT

Overview Issues Security Hotspots Measures Code Activity

Project Settings Project Information

QUALITY GATE STATUS

Passed

All conditions passed.

MEASURES

New Code Overall Code

0 A Bugs Reliability A

0 A Vulnerabilities Security A

0 A Security Hotspots Reviewed Security Review A

20min Debt 2 A Code Smells Maintainability A