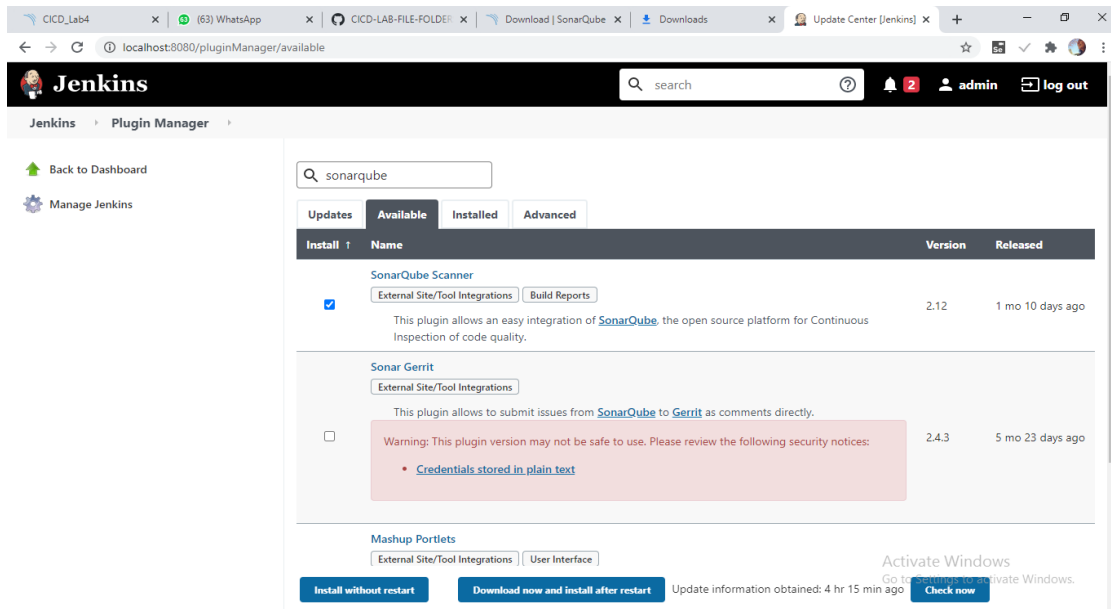
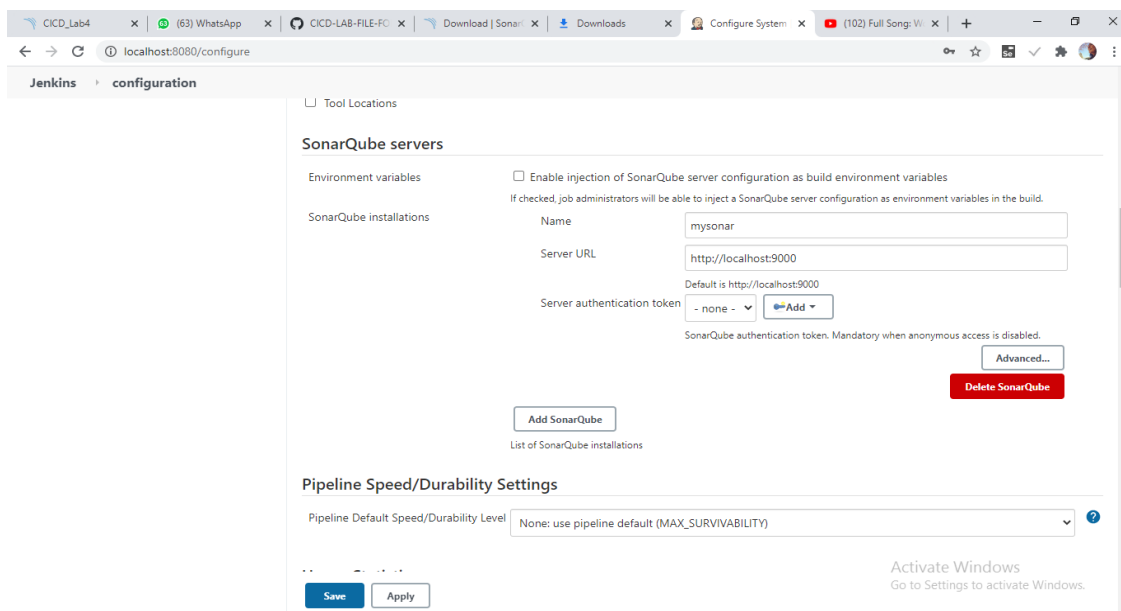


# Experiment- 5(Integration of Jenkins with sonarqube)

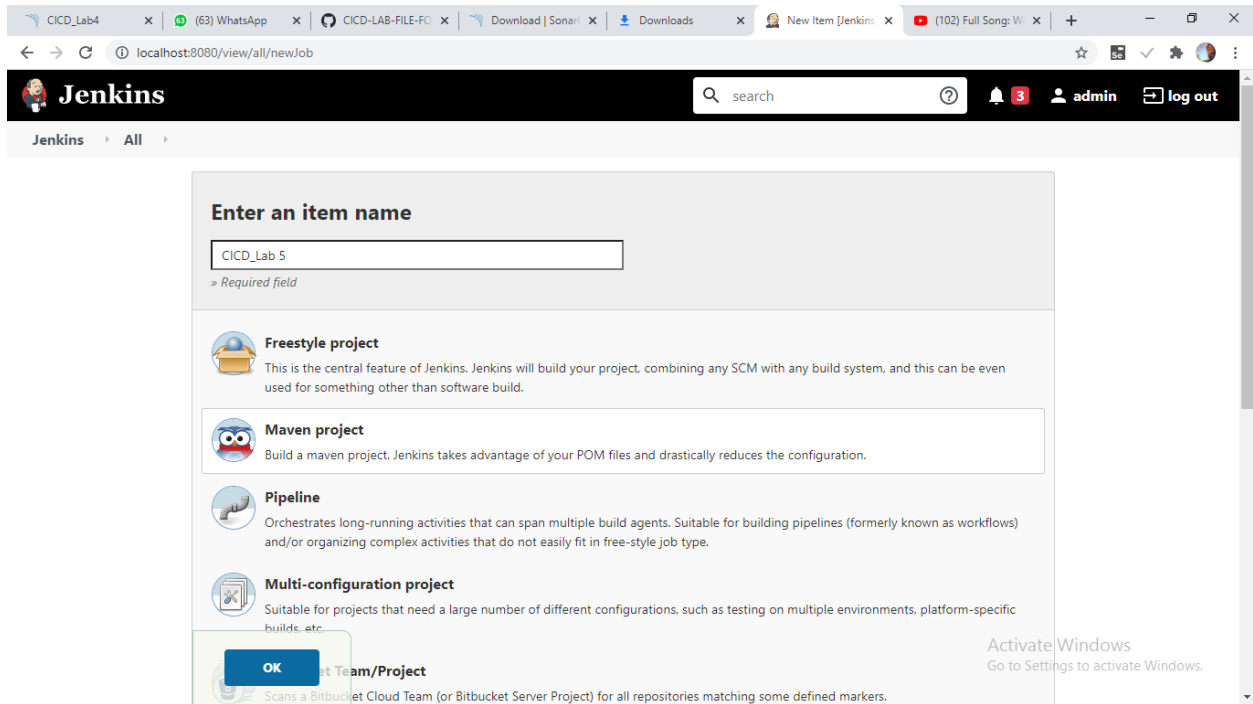
## Step-1 Install sonarqube plugin in jenkins



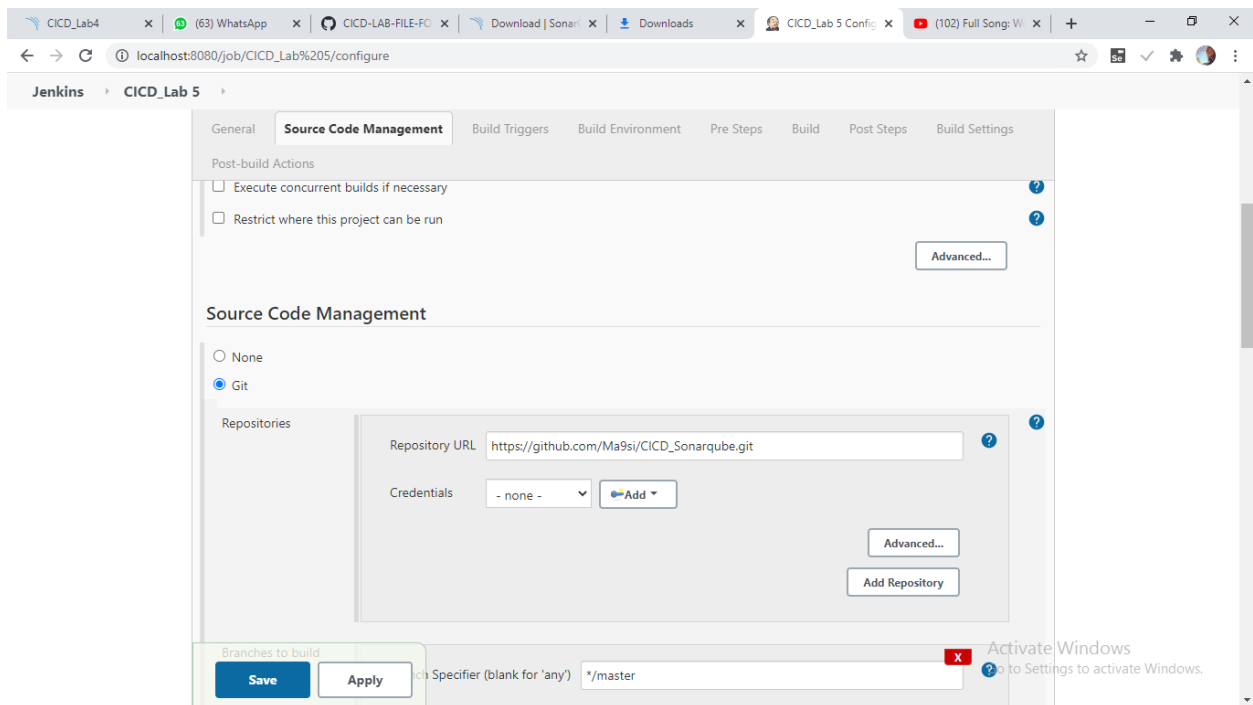
## Step-2 Set sonarqube url in configuration system settings inside manage jenkins



## Step-3 Create a new maven project



## Step-4 Give github url where your maven project is there inside job configuration



## Step-5 Specify that maven goal which enables sonarqube to analysis the project

The screenshot shows the Jenkins configuration page for a job named 'CICD\_Lab 5'. The 'Pre Steps' tab is selected. Under the 'Build' section, the 'Root POM' is set to 'pom.xml' and the 'Goals and options' is set to 'clean install sonar:sonar -Dsonar.host.url=http://localhost:9000 -Dsonar.mode=publish'. There are buttons for 'Add pre-build step', 'Advanced...', 'Add post-build step', 'Save', and 'Apply'. The 'Post Steps' section has radio buttons for 'Run only if build succeeds', 'Run only if build succeeds or is unstable', and 'Run regardless of build result', with the last one selected. A message at the bottom right says 'Activate Windows Go to Settings to activate Windows.'

## Step-6 BUILD SUCCESS

The screenshot shows the Jenkins console output for a job named 'CICD\_Lab 5 #1'. The console output displays the following text:

```
Started by user admin
Running as SYSTEM
Building on master in workspace C:\Users\HP\.jenkins\workspace\CICD_Lab 5
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/Ma9si/CICD_Sonarqube.git
> git.exe init C:\Users\HP\.jenkins\workspace\CICD_Lab 5 # timeout=10
Fetching upstream changes from https://github.com/Ma9si/CICD_Sonarqube.git
> git.exe --version # timeout=10
> git --version # 'git version 2.27.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/Ma9si/CICD_Sonarqube.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/Ma9si/CICD_Sonarqube.git # timeout=10
> git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/Ma9si/CICD_Sonarqube.git # timeout=10
Fetching upstream changes from https://github.com/Ma9si/CICD_Sonarqube.git
> git.exe fetch --tags --force --progress -- https://github.com/Ma9si/CICD_Sonarqube.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse 'refs/remotes/origin/master^{commit}' # timeout=10
> git.exe rev-parse 'refs/remotes/origin/master^{commit}' # timeout=10
Checking out Revision dfc9ff7585de1a43b04f283844e8e4d8b3c254fe (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f dfc9ff7585de1a43b04f283844e8e4d8b3c254fe # timeout=10
Commit message: "first commit"
First time build. Skipping changelog.
Parsing POMs
Discovered a new module CICD_Lab4:CICD_Lab4 CICD_Lab4
Modules changed, recalculating dependency graph
Established TCP socket on 54108
[CICD_Lab 5] $ "C:\Program Files\Java\jdk-11.0.8\bin\java" -cp C:\Users\HP\.jenkins\plugins\maven-plugin\WEB-INF\lib\maven35-agent-1.13.jar;E:\apache-maven-3.6.3\boot\plexus-classworlds-2.6.0.jar;E:\apache-maven-3.6.3\conf\logging-jenkins-maven35-agent-Maven35Main
```

CICD\_Lab4 x (63) WhatsApp x CICD-LAB-FILE x Download | S: x Downloads x CICD\_Lab 5 #1 x (102) Full Son: x Projects x + -

localhost:8080/job/CICD\_Lab%205/1/console

☆

Jenkins

CICD\_Lab 5

#1

[INFO] Sensor HTML [web] (done) | time=11ms

[INFO] Sensor XML Sensor [xml]

[INFO] 1 source files to be analyzed

[INFO] Sensor XML Sensor [xml] (done) | time=535ms

[INFO] 1/1 source files have been analyzed

[INFO] ----- Run sensors on project

[INFO] Sensor Zero Coverage Sensor

[INFO] Sensor Zero Coverage Sensor (done) | time=1ms

[INFO] CPD Executor Calculating CPD for 0 files

[INFO] CPD Executor CPD calculation finished (done) | time=0ms

[INFO] Analysis report generated in 145ms, dir size=80 KB

[INFO] Analysis report compressed in 94ms, zip size=10 KB

[INFO] Analysis report uploaded in 270ms

[INFO] ANALYSIS SUCCESSFUL, you can browse [http://localhost:9000/dashboard?id=CICD\\_Lab4%3ACICD\\_Lab4](http://localhost:9000/dashboard?id=CICD_Lab4%3ACICD_Lab4)

[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=AXUikFmkqX-mpnRglGeS>

[INFO] Analysis total time: 22.413 s

[INFO] -----

[INFO] BUILD SUCCESS

[INFO] -----

[INFO] Total time: 35.011 s

[INFO] Finished at: 2020-10-13T19:01:10+05:30

[INFO] -----

[WARNING] The requested profile "profile1" could not be activated because it does not exist.

[WARNING] The requested profile "profile2" could not be activated because it does not exist.

Waiting for Jenkins to finish collecting data

[JENKINS] Archiving C:\Users\HP\jenkins\workspace\CICD\_Lab 5\pom.xml to CICD\_Lab4\CICD\_Lab4\0.0.1-SNAPSHOT\CICD\_Lab4-0.0.1-SNAPSHOT.pom

[JENKINS] Archiving C:\Users\HP\jenkins\workspace\CICD\_Lab 5\target\CICD\_Lab4-0.0.1-SNAPSHOT.jar to CICD\_Lab4\CICD\_Lab4\0.0.1-SNAPSHOT\CICD\_Lab4-0.0.1-SNAPSHOT.jar

channel stopped

Finished: SUCCESS

Activate Windows

Go to Settings to activate Windows.

REST API

Jenkins 2.252