

CICD EXPERIMENT – 5

Jenkins integration with SonarQube

1. Go to Jenkins dashboard and select New Item option
2. Enter the item name and choose Maven project
3. Now go to source code management tab and enter the URL of the github repository
4. Now go to build tab and add the exact location of pom.xml file. If it's inside a folder then, specify it as "{folder name}/pom.xml"
5. In goals and option section, run clean install sonar:sonar -
Dsonar.host.url=http://localhost:9000 -Dsonar.analysis.mode=publish

The screenshot shows the Jenkins 'Build' configuration page. Under the 'Build' section, the 'Root POM' field is set to 'CICD_Lab2_B1/pom.xml'. The 'Goals and options' field contains the command 'clean install sonar:sonar -Dsonar.host.url=http://localhost:9000 -Dsonar.analysis.mode=publish'. There is an 'Advanced...' button to the right of the goals field. Below this is the 'Post Steps' section, which has three radio button options: 'Run only if build succeeds', 'Run only if build succeeds or is unstable', and 'Run regardless of build result'. The third option is selected. Below the radio buttons is a text label 'Should the post-build steps run only for successful builds, etc.' and a button 'Add post-build step'. At the bottom left, there is a 'Build Settings' tab and two buttons: 'Save' and 'Apply'. At the bottom right, there is a link 'Activate' and a link 'Go to Settings'.

6. Now open <http://localhost:9000/projects>, you will find your maven project and vulnerabilities will be accessed

CICD_Lab2_B1

master

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Overview

Issues

Security Hotspots

Measures

Code

Activity

Project Settings

Project Information

QUALITY GATE STATUS

MEASURES

Passed

All conditions passed.

New Code

Overall Code

1

Bugs

Reliability

B

0

Vulnerabilities

Security

A

0

Security Hotspots

Reviewed

Security Review

A

55min

Debt

6

Code Smells

Maintainability

A

0.0%

Coverage on 6 Lines to cover

Unit Tests

0.0%

Duplications on 39 Lines

Duplicated Blocks

Activate V

Go to Setting