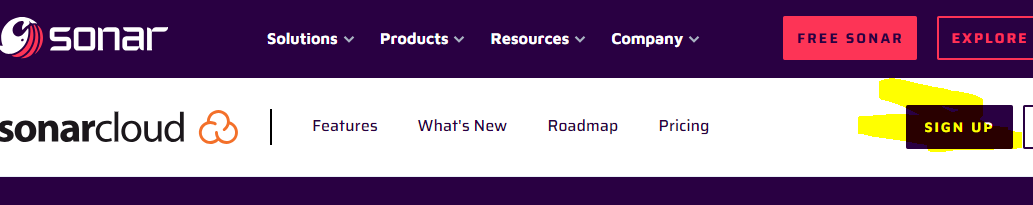
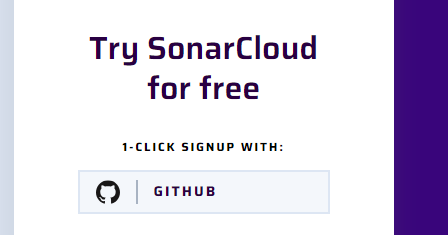
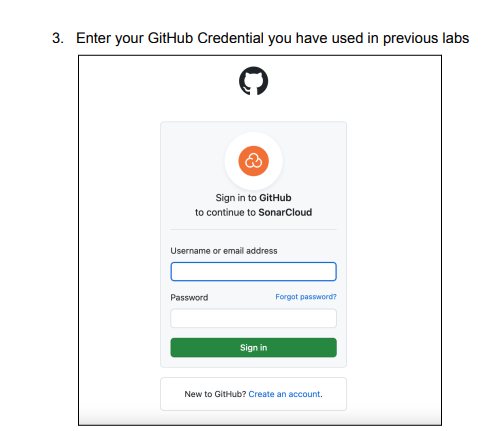
Signup and SetUp - SonarQube Cloud account using GitHub Objective: In this lab, you will signup SonarQube Cloud account using GitHub

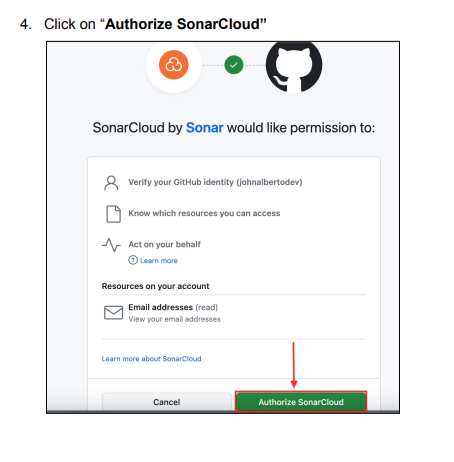
Creating a SonarQube Cloud account using GitHub 1. Go to SonarQube cloud website <https://www.sonarsource.com/products/sonarcloud/>

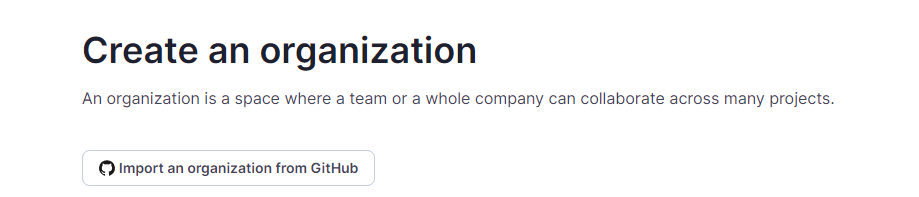
Singup using github

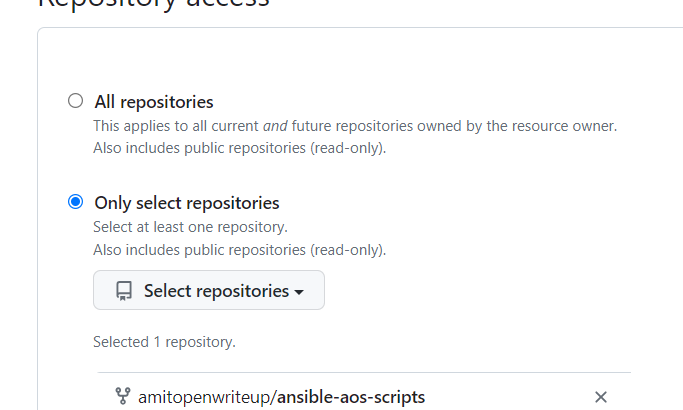




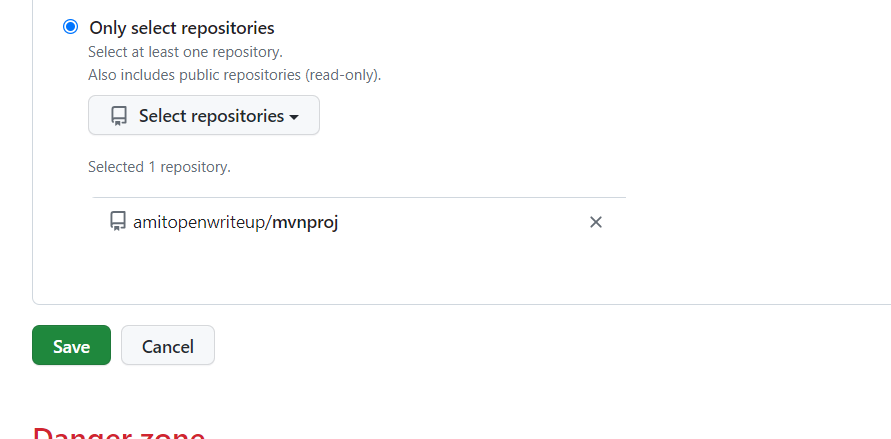




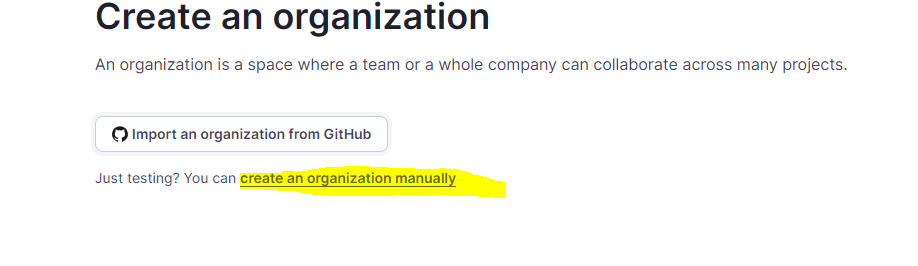
5. 

6. 

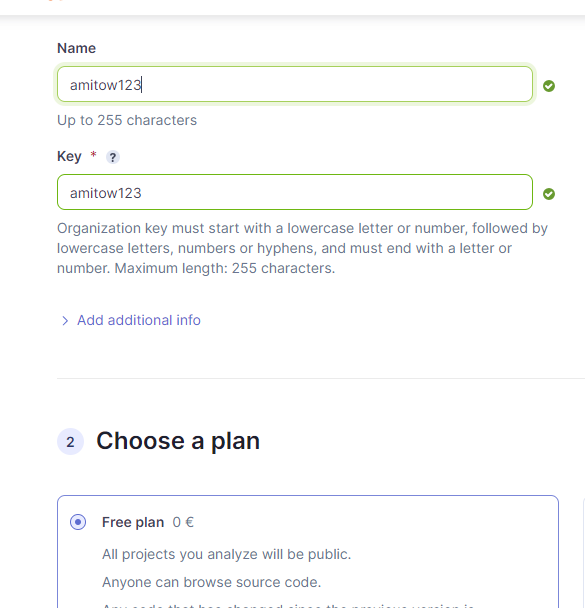
7. Select the ‘Only selected repositories’ and select your repository with name and save

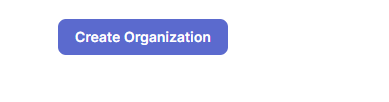


8. Create an organization manually

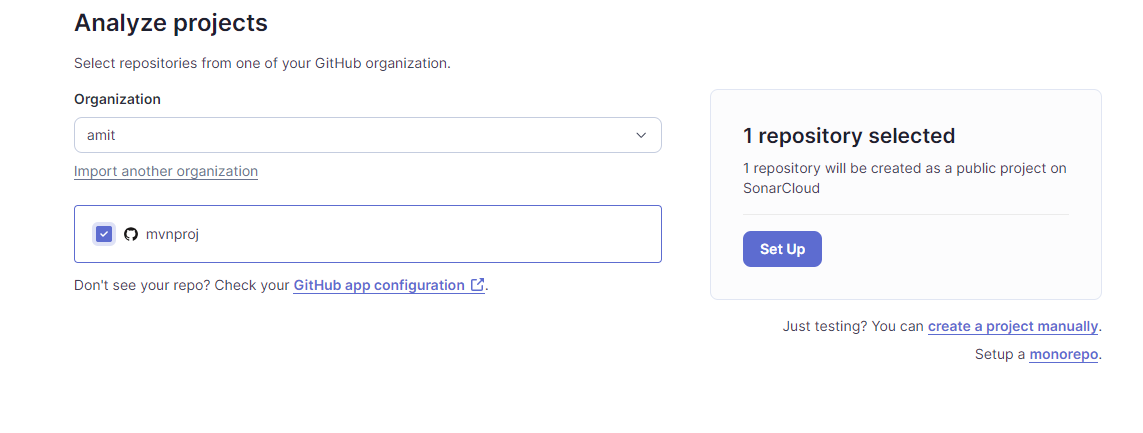


9. Provide unique name and key; choose free plan

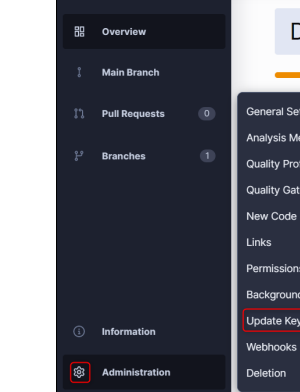
9. 



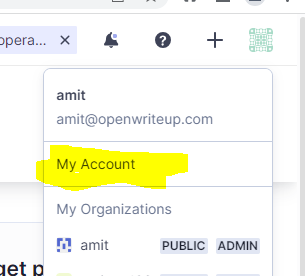
10. Select your repositories and then click on the Set Up button.

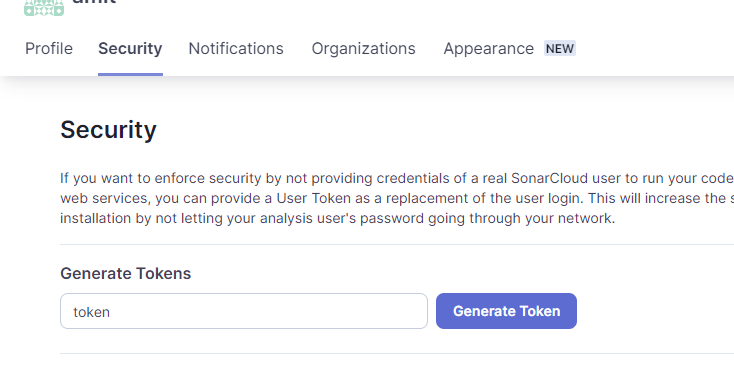


11. Update key



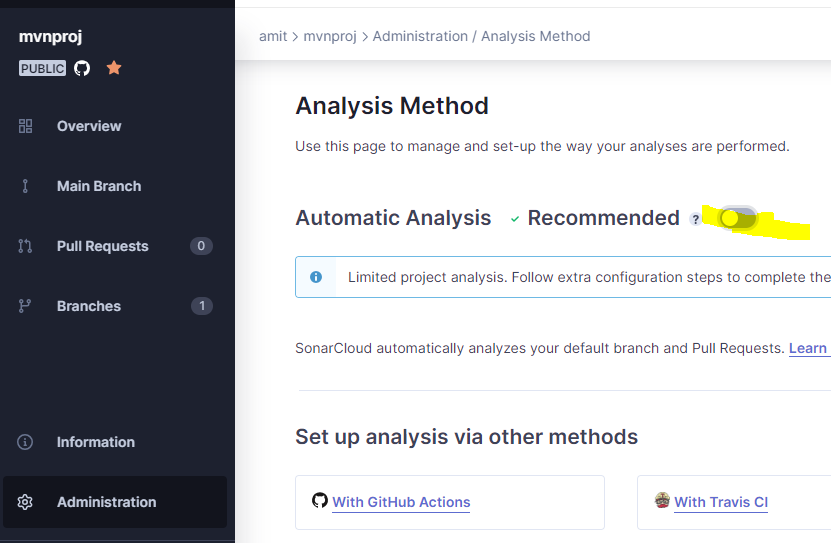
12. Go to the Account section. Click on ‘My Account”



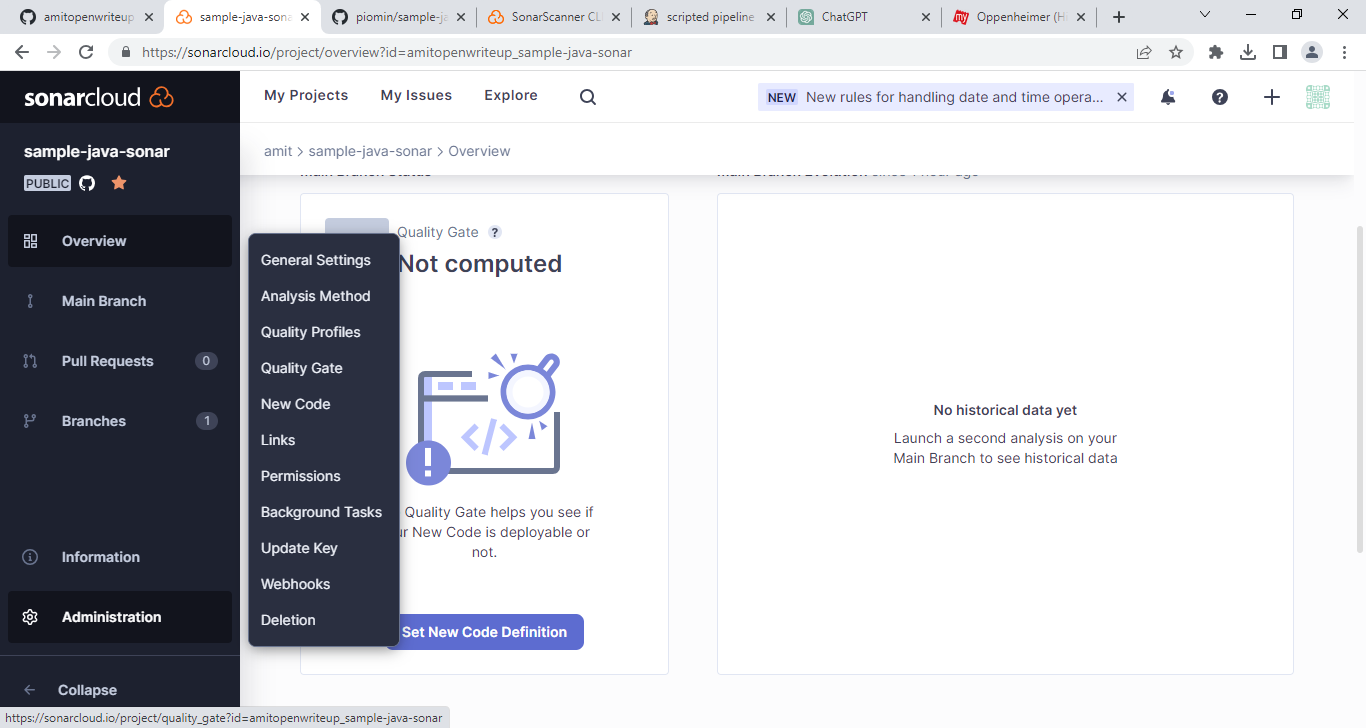


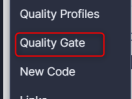
1. Use existing Pipeline ( java-pipeline ) to analyze code quality through SonarQube.

2. Prior to performing a Sonar scan through Jenkins, it is necessary to deactivate the automatic analysis option in the SonarQube web graphical user interface (GUI). a. Go to SonarQube Web GUI and click on “Administration” → “Analysis Method

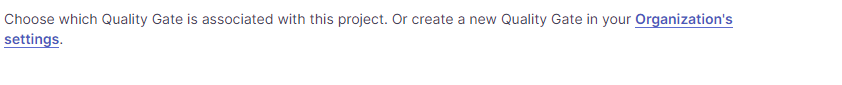


Create Quality gate

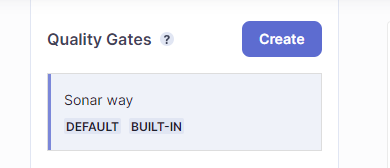


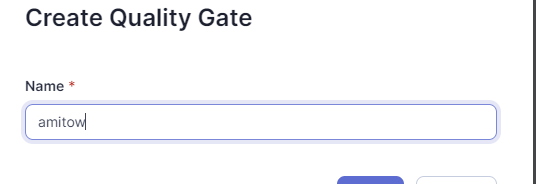


Click on organization setting

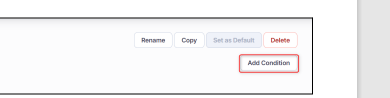


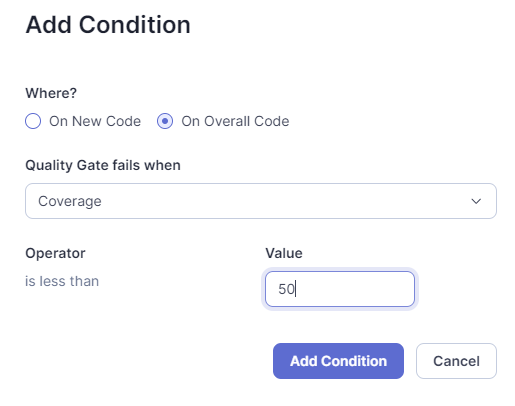
Click on Create



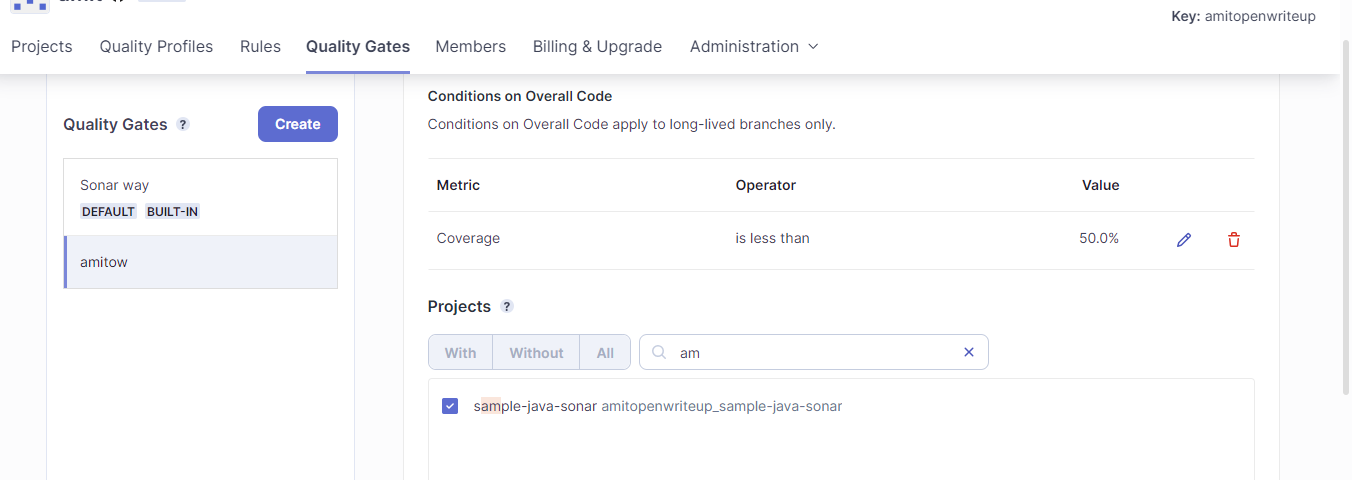


Add condition

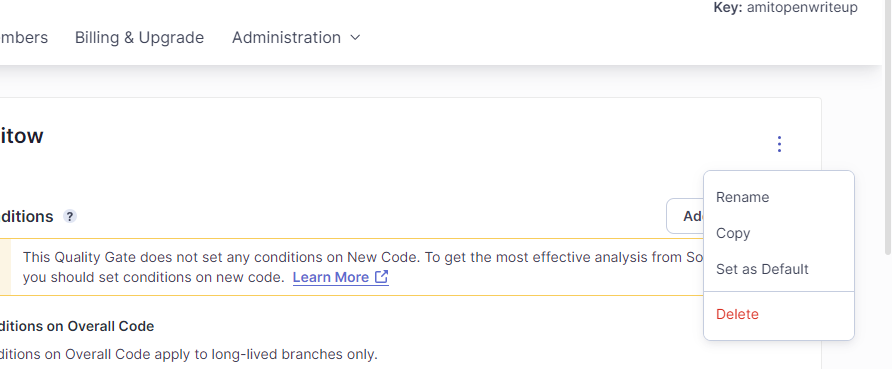




Map the project



Set as default



Pipeline code

image: maven:3.9.6-eclipse-temurin-11

stages:

- build

- sonarcloud

- publish

variables:

SONAR\_PROJECT\_KEY: "amitow1234\_test"

SONAR\_ORGANIZATION: "amitopenwriteup"

SONAR\_TOKEN: "780336658825aea2f71e98579b0a4a9a89e8a57c"

SONAR\_HOST\_URL: "https://sonarcloud.io"

build:

stage: build

script:

- mvn clean package

artifacts:

paths:

- target/

- src/

expire\_in: 1 hour

sonar\_scan:

stage: sonarcloud

image: ubuntu:22.04

before\_script:

- apt-get update && apt-get install -y unzip wget openjdk-11-jdk

- wget https://binaries.sonarsource.com/Distribution/sonar-scanner-cli/sonar-scanner-cli-5.0.1.3006-linux.zip

- unzip sonar-scanner-cli-5.0.1.3006-linux.zip

script:

- ./sonar-scanner-5.0.1.3006-linux/bin/sonar-scanner

-Dsonar.projectKey=$SONAR\_PROJECT\_KEY

-Dsonar.organization=$SONAR\_ORGANIZATION

-Dsonar.qualitygate.wait=true

-Dsonar.qualitygate.timeout=300

-Dsonar.sources=src/main/java/

-Dsonar.java.binaries=target/classes

-Dsonar.host.url=$SONAR\_HOST\_URL

-Dsonar.login=$SONAR\_TOKEN

publish:

stage: publish

script:

- echo "Publishing step placeholder. Add deployment or artifact upload here."