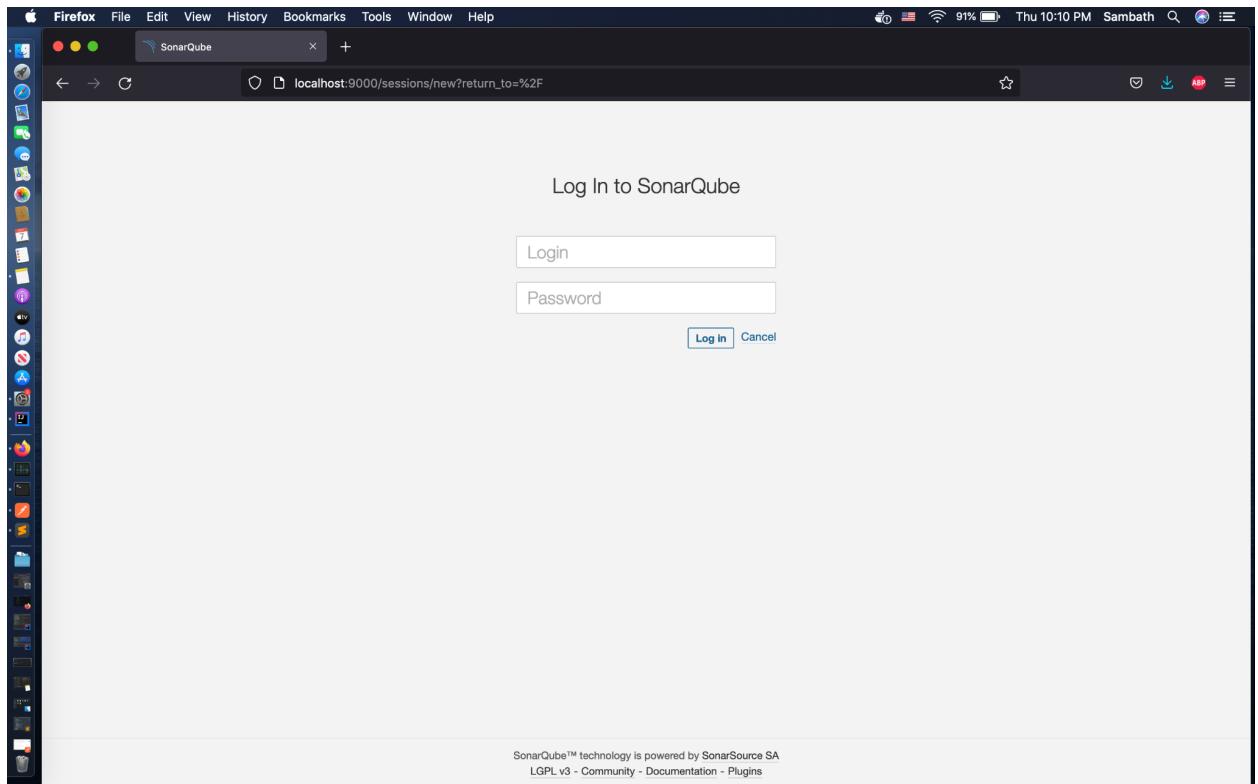
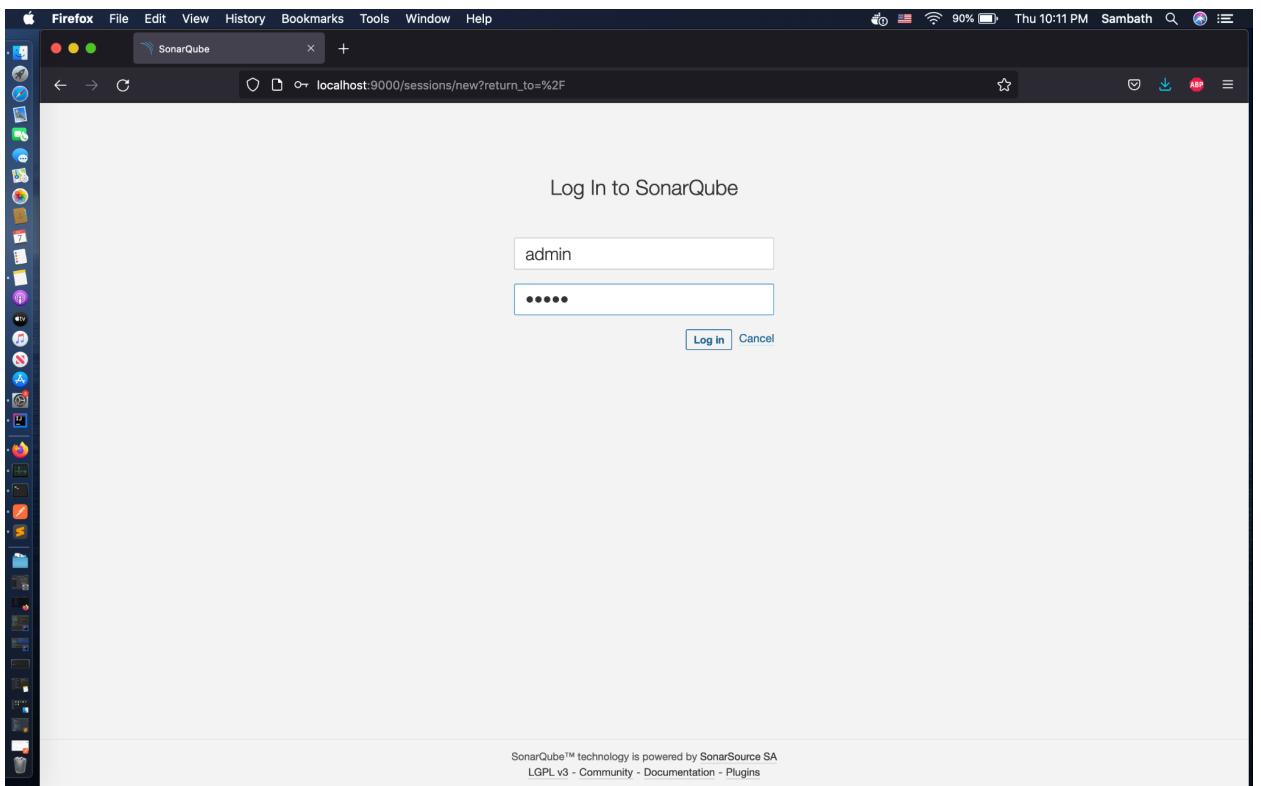


SonarQube Setup

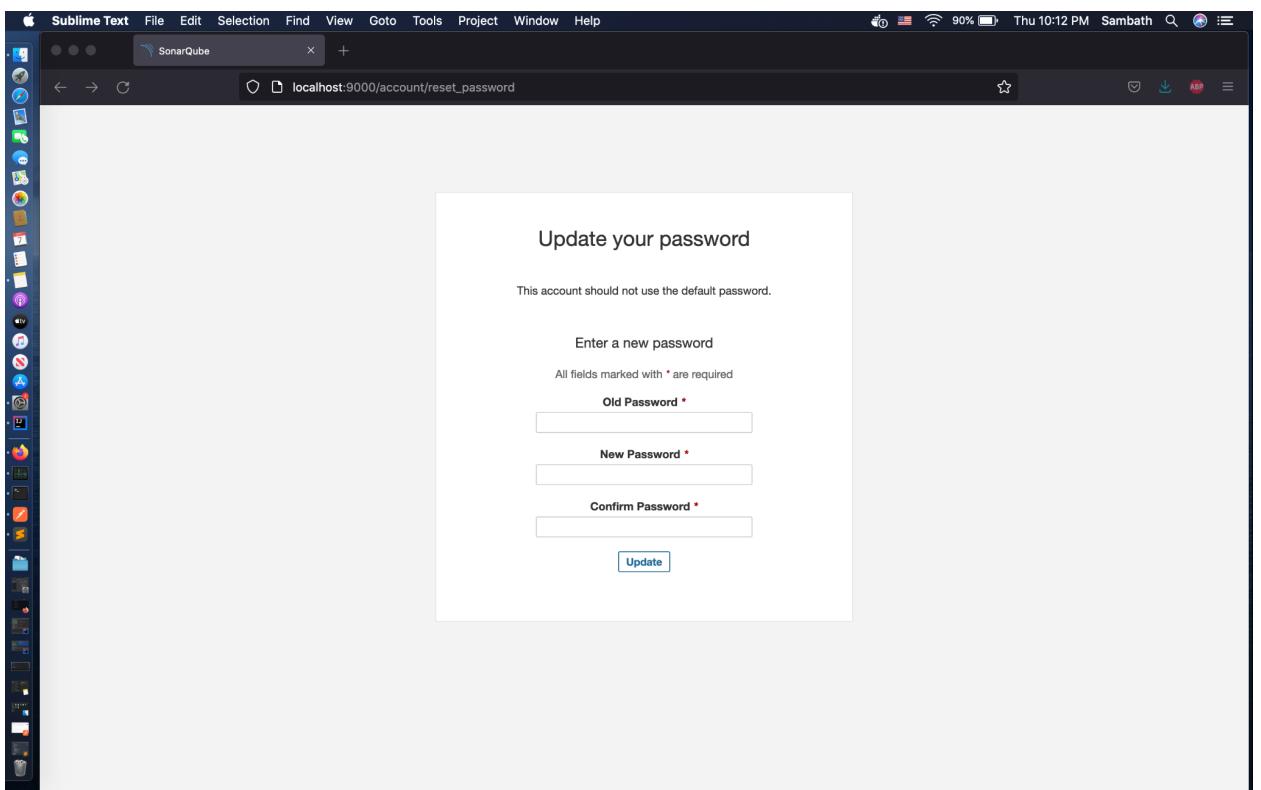
- Have the docker compose up & running
- Ensure all containers are up & healthy
- Enter <http://localhost:9000>



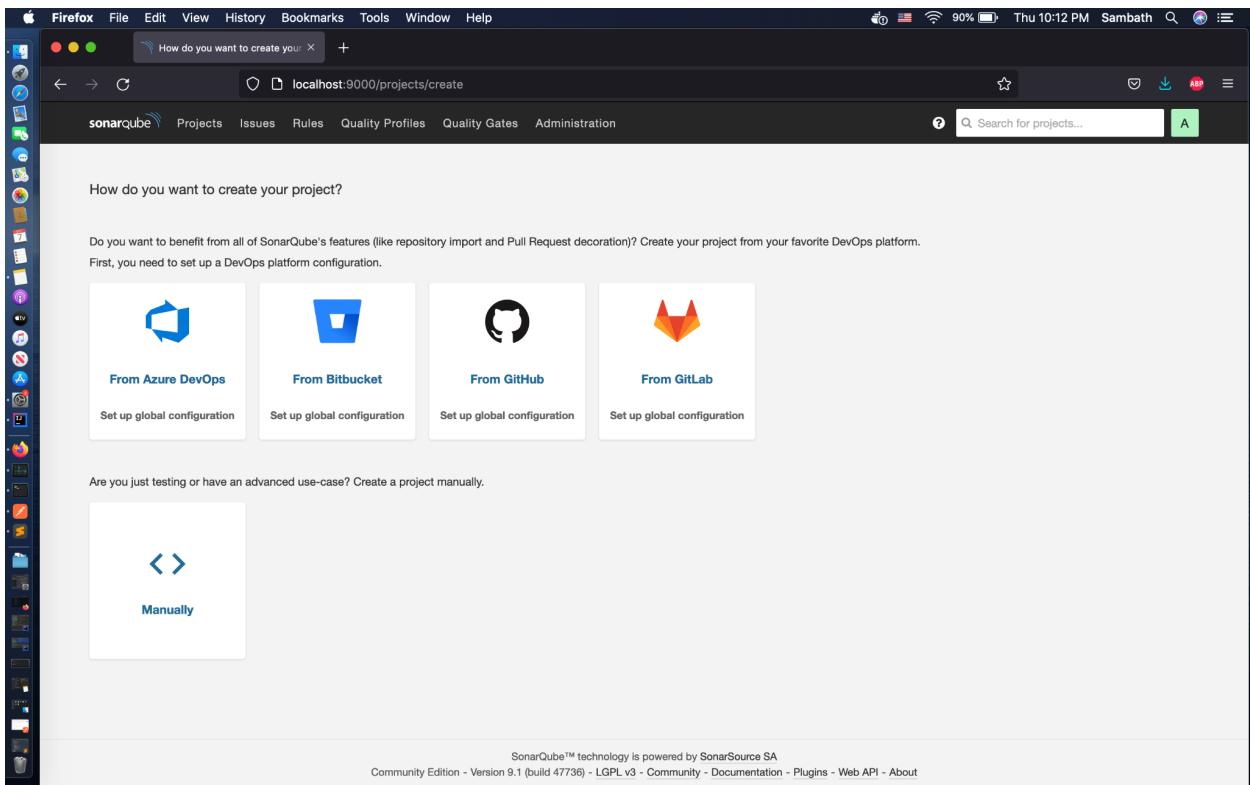
- Default credential is admin/admin. Login with the details



- First time, it will ask user to change password



- Select ‘Manually’ from below screenshot



- Select Create a project & enter Project name & key as below

All fields marked with * are required

Project display name *
romanNumeral

Up to 255 characters. Some scanners might override the value you provide.

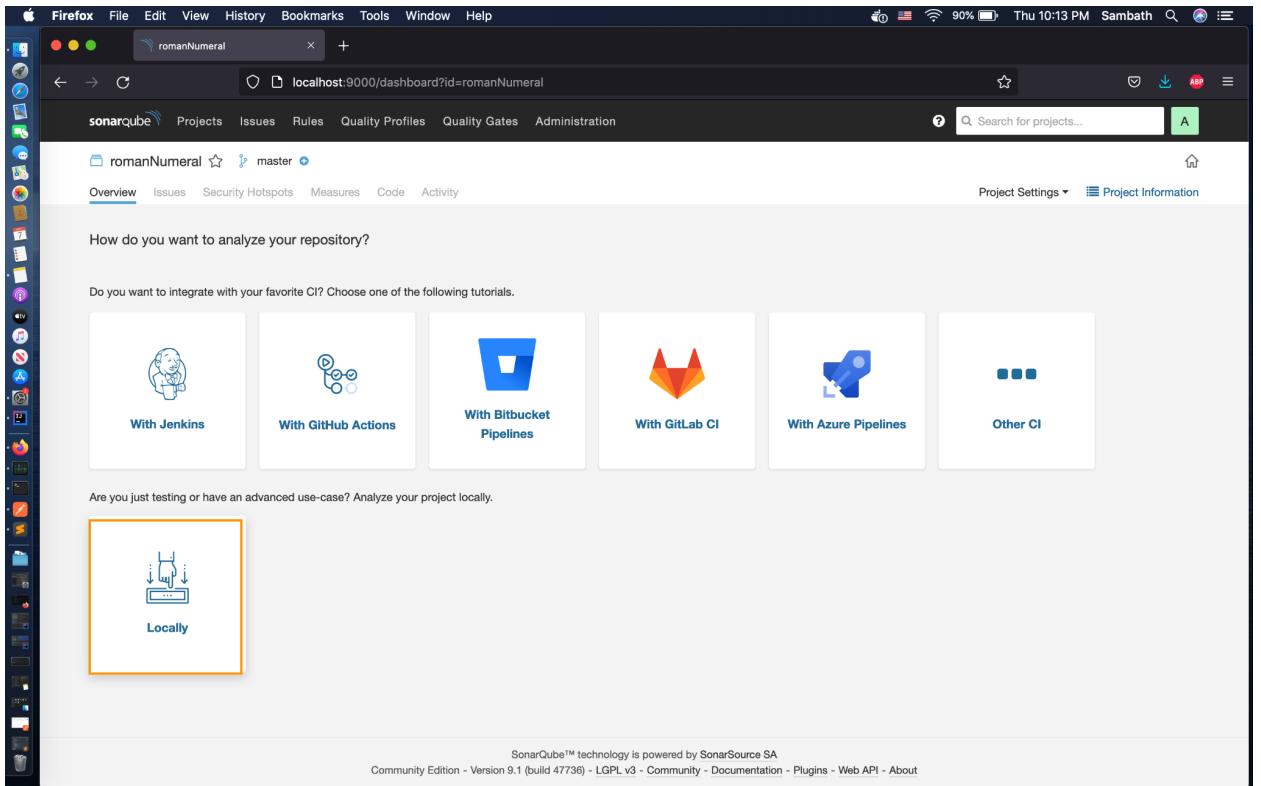
Project key *
romanNumeral

The project key is a unique identifier for your project. It may contain up to 400 characters. Allowed characters are alphanumeric, '-' (dash), '_' (underscore), '.' (period) and ':' (colon), with at least one non-digit.

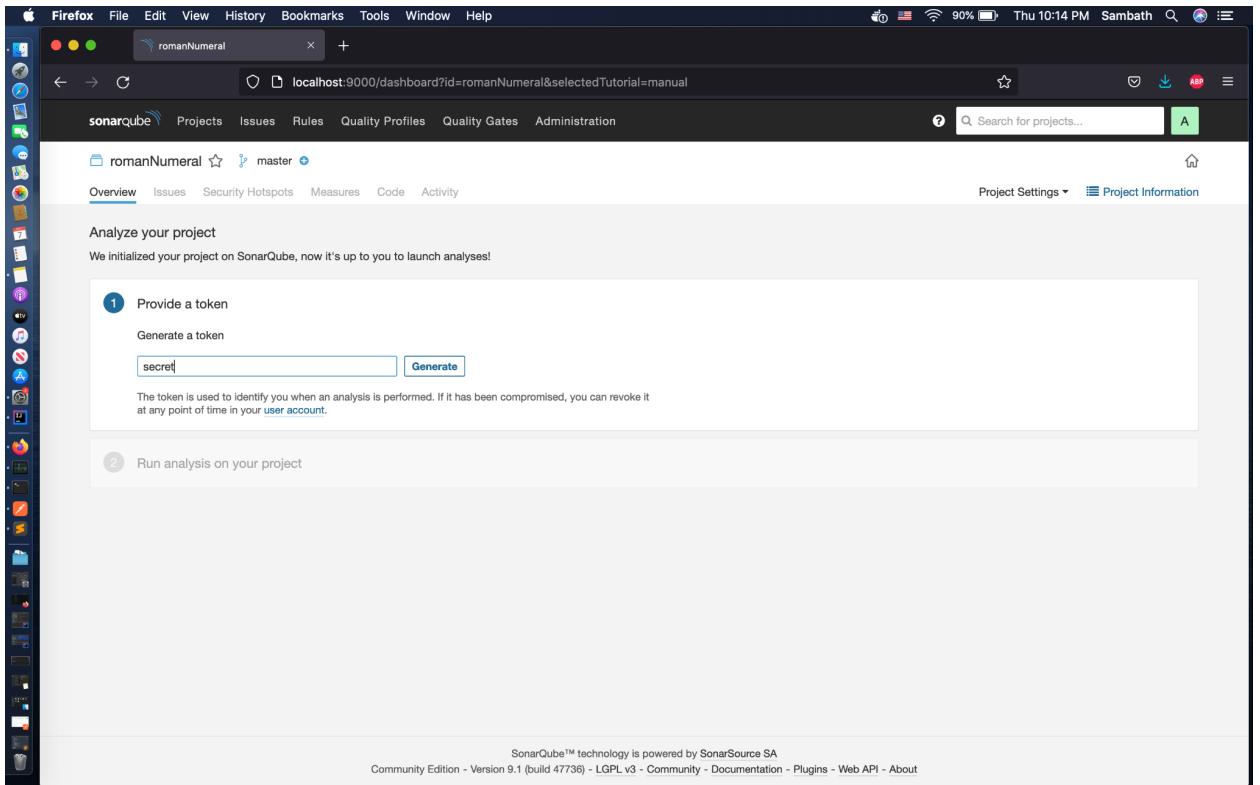
Set Up

SonarQube™ technology is powered by SonarSource SA
Community Edition - Version 9.1 (build 47736) - LGPL v3 - Community - Documentation - Plugins - Web API - About

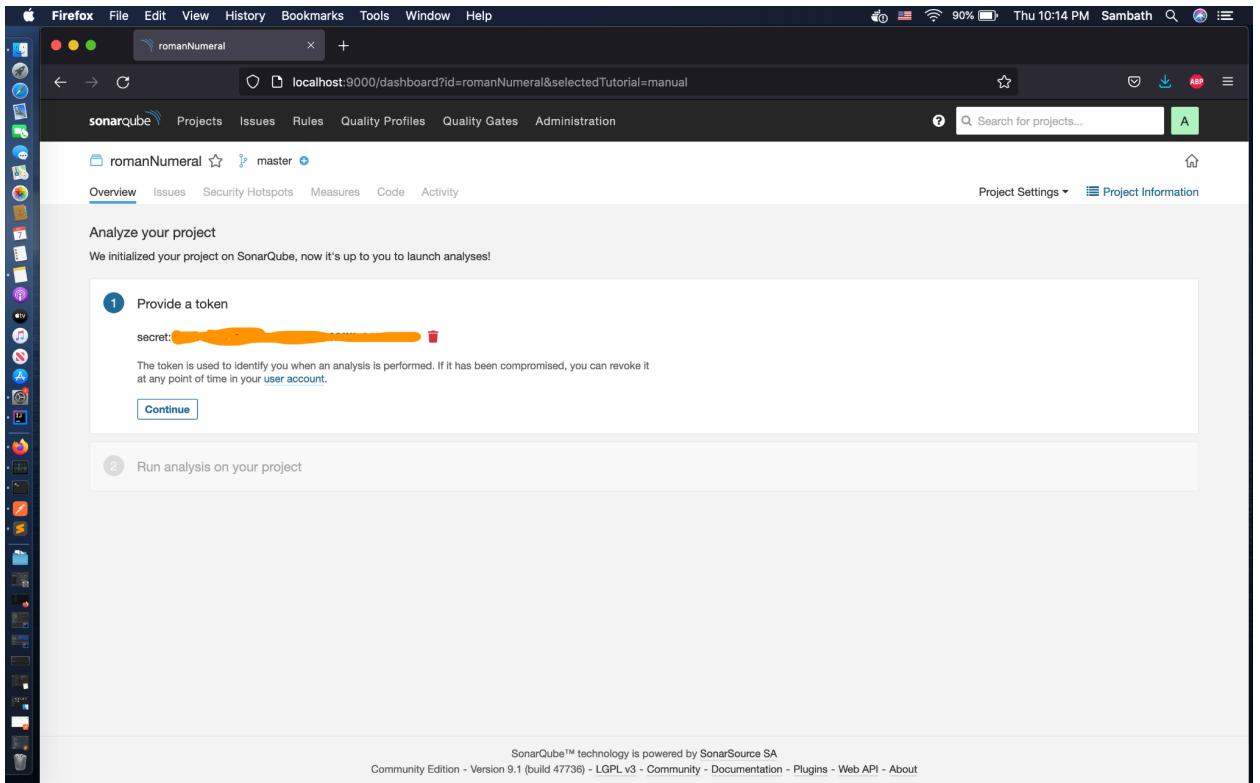
- Select ‘Locally’ as below



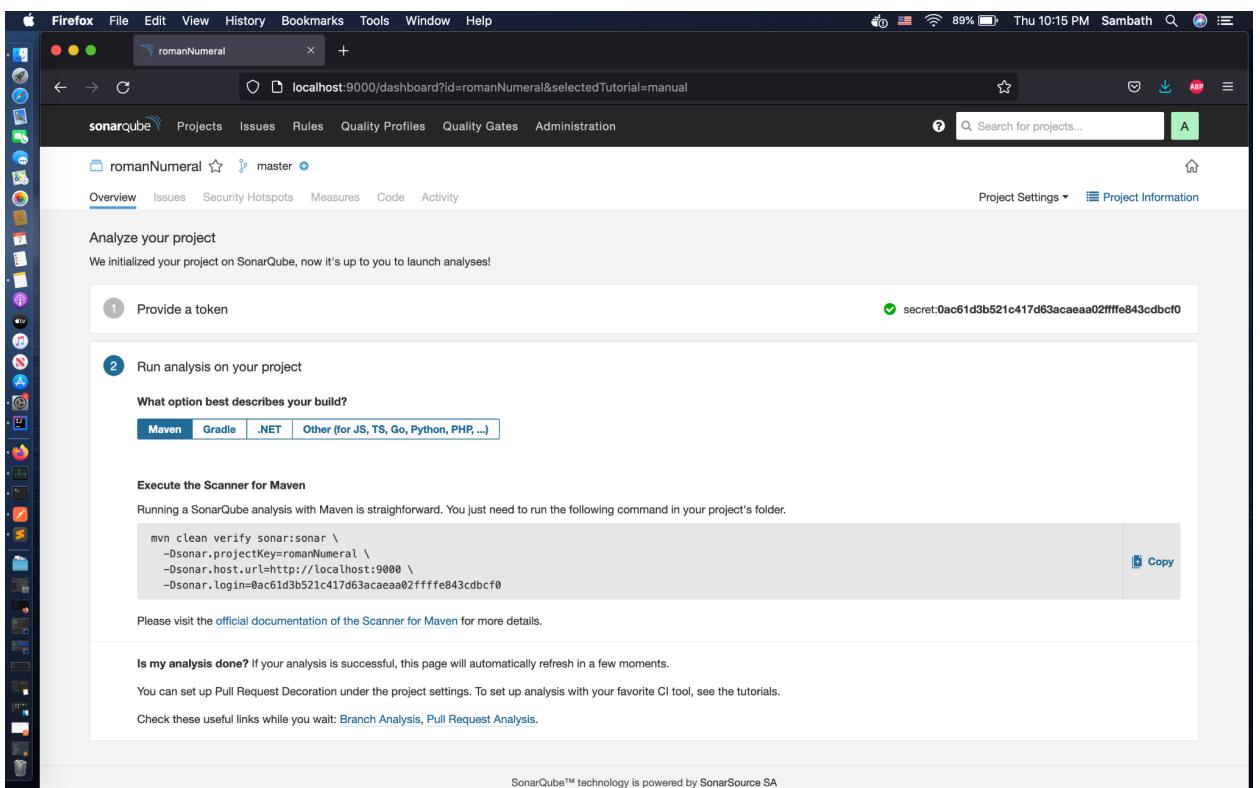
- We need to generate a token.



- Below displays the token. Have it copied as we need to use them to run them for static code scans



- Select 'Maven' to run the command on the terminal from pom.xml root



- Once we get the command from the above screen, run them in the parent pom directory.Below is just a sample command

```
mvn clean verify sonar:sonar \
-Dsonar.projectKey=romanNumeral \
-Dsonar.host.url=http://localhost:9000 \
-Dsonar.login=0ac61d3b521c417d63acaeeahgh7667yyff
```

```
Terminal Shell Edit View Window Help
~/Documents/DB/assignment — zsh
sambath@Mokith assignment % mvn clean verify sonar:sonar \
-Dsonar.projectKey=romanNumeral \
-Dsonar.host.url=http://localhost:9000 \
-Dsonar.login=0ac61d3b521c417d63acaeeahgh7667yyff
[INFO] Scanning for projects...
[INFO] [INFO] < com.convert:romannumeral > -----
[INFO] Building romannumeral 0.0.1-SNAPSHOT
[INFO] [INFO] [ jar ] --
[INFO] [INFO] --- maven-clean-plugin:3.1.0:clean (default-clean) @ romannumeral ---
[INFO] Deleting /Users/sambath/Documents/DB/assignment/target
[INFO] [INFO] --- jacoco-maven-plugin:0.8.7:prepare-agent (prepare-unit-test-agent) @ romannumeral ---
[INFO] argline set to -javaagent:/Users/sambath/.m2/repository/org/jacoco/org.jacoco.agent/0.8.7/org.jacoco.agent-0.8.7-runtime.jar=destfile=/Users/sambath/Documents/DB/assignment/target/jacoco.exec
[INFO] [INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ romannumeral ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] Copying 1 resource
[INFO] Copying 1 resource
[INFO] [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ romannumeral ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 15 source files to /Users/sambath/Documents/DB/assignment/target/classes
[INFO] /Users/sambath/Documents/DB/assignment/src/main/java/com/convert/romannumeral/exception/CommonGlobalExceptionHandler.java: /Users/sambath/Documents/DB/assignment/src/main/java/com/convert/romannumeral/exception/CommonGlobalExceptionHandler.java uses unchecked or unsafe operations.
[INFO] /Users/sambath/Documents/DB/assignment/src/main/java/com/convert/romannumeral/exception/CommonGlobalExceptionHandler.java: Recompile with -Xlint:unchecked for details.
[INFO] [INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources) @ romannumeral ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory /Users/sambath/Documents/DB/assignment/src/test/resources
[INFO] [INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ romannumeral ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 4 source files to /Users/sambath/Documents/DB/assignment/target/test-classes
[INFO] [INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ romannumeral ---
```