1. Install Docker and Docker Compose on your server.

2. Copy or create a Docker Compose YAML file on the server.

3. Execute the following command to start the Docker containers: **docker-compose up -d**

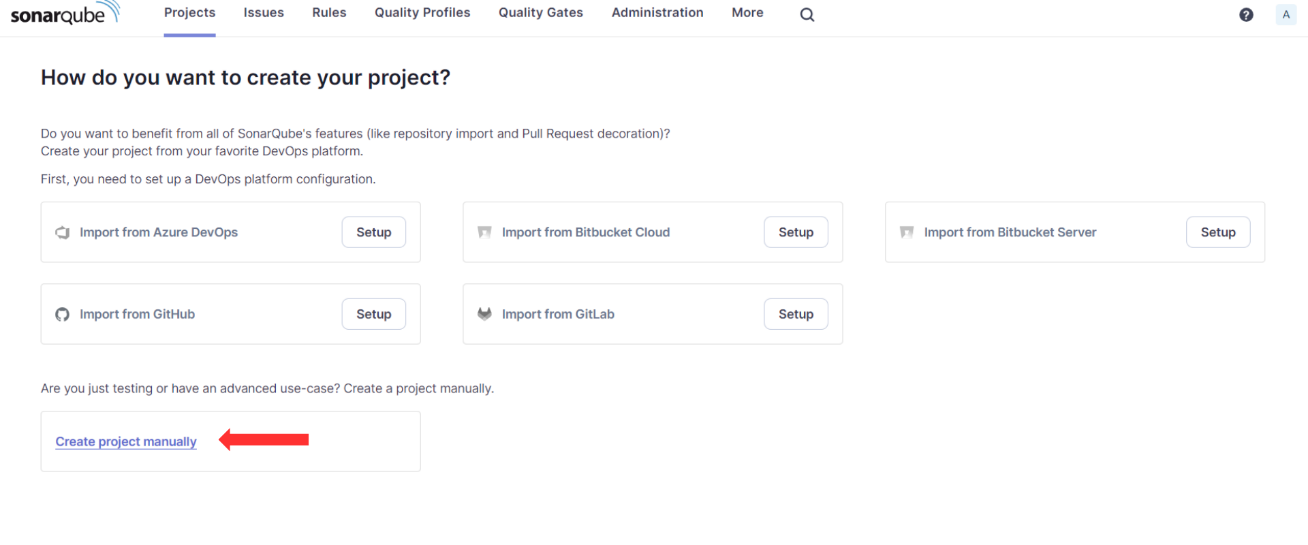
4. Access your SonarQube instance by visiting the server's Public IP in a web browser.

**Steps to Create Project in SonarQube**

5. Log in to SonarQube using the default credentials: Username - **admin** and Password - **admin**

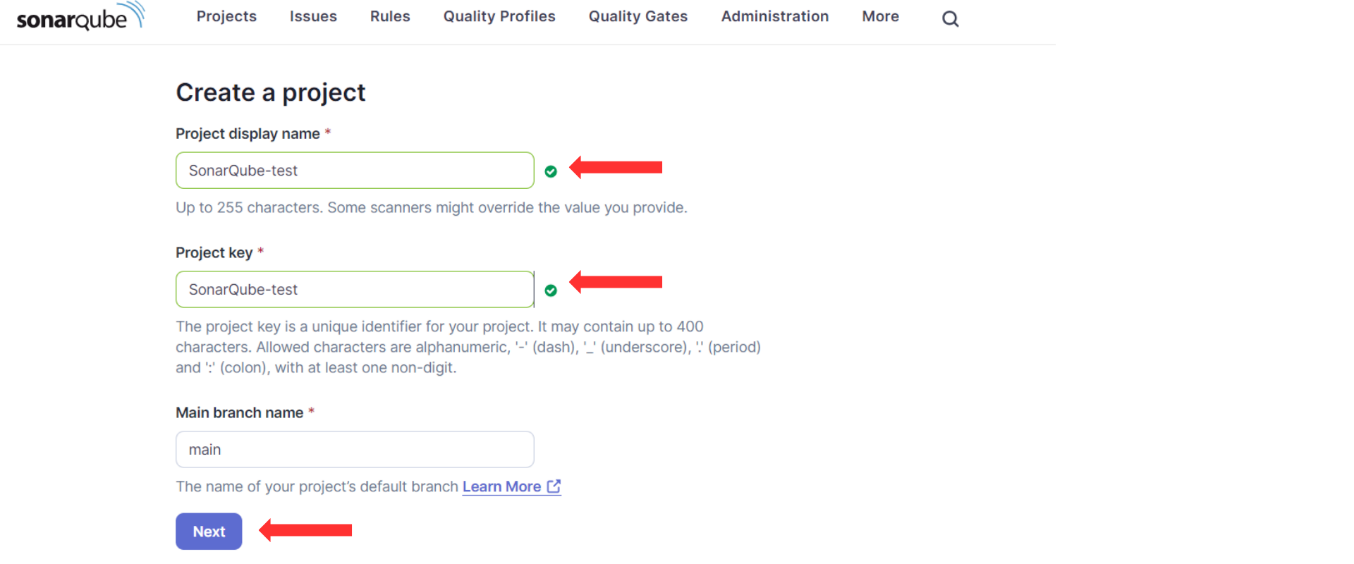
6. Create a **Project**:

* After logging in, click on the **Projects** tab in the top navigation menu.
* Click on the **Create project manually** button to create a new project

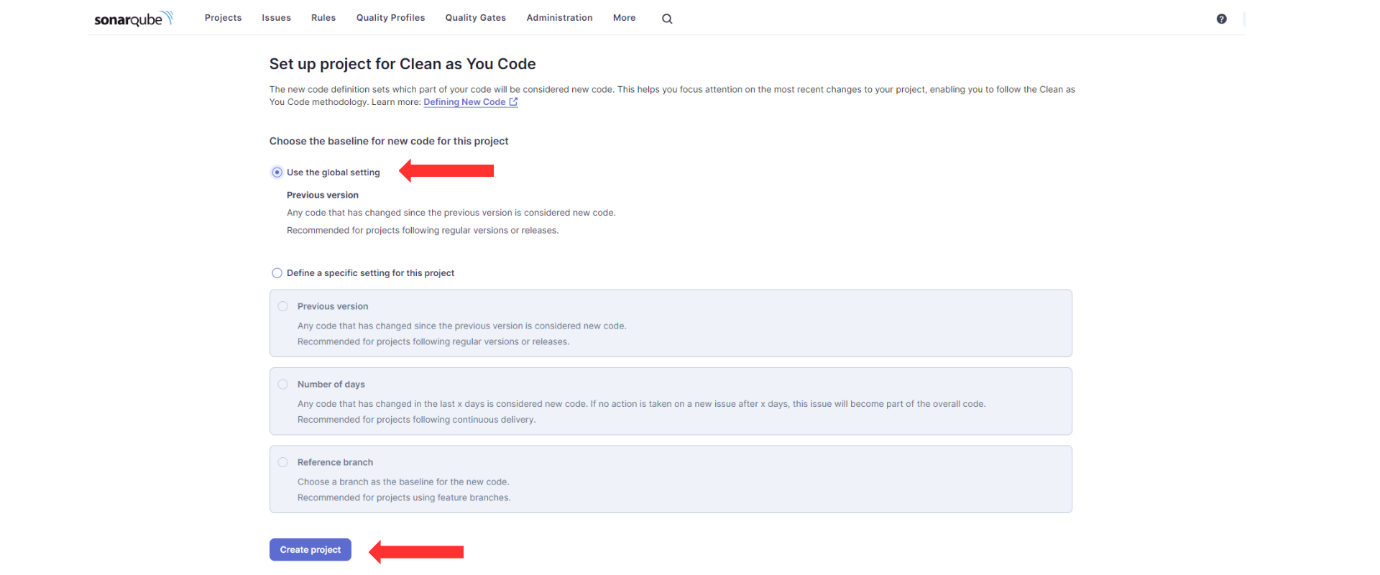


7. Project Name

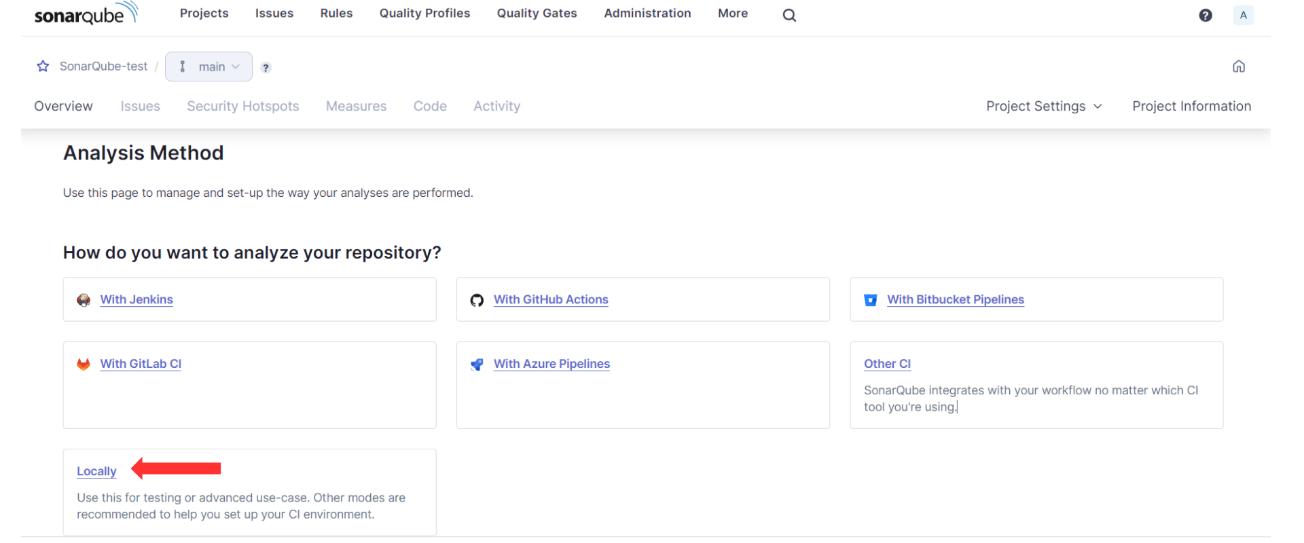
* Enter a **Project** **display name** for your project.
* Provide a **project key** for your project.
* Click on **Next**



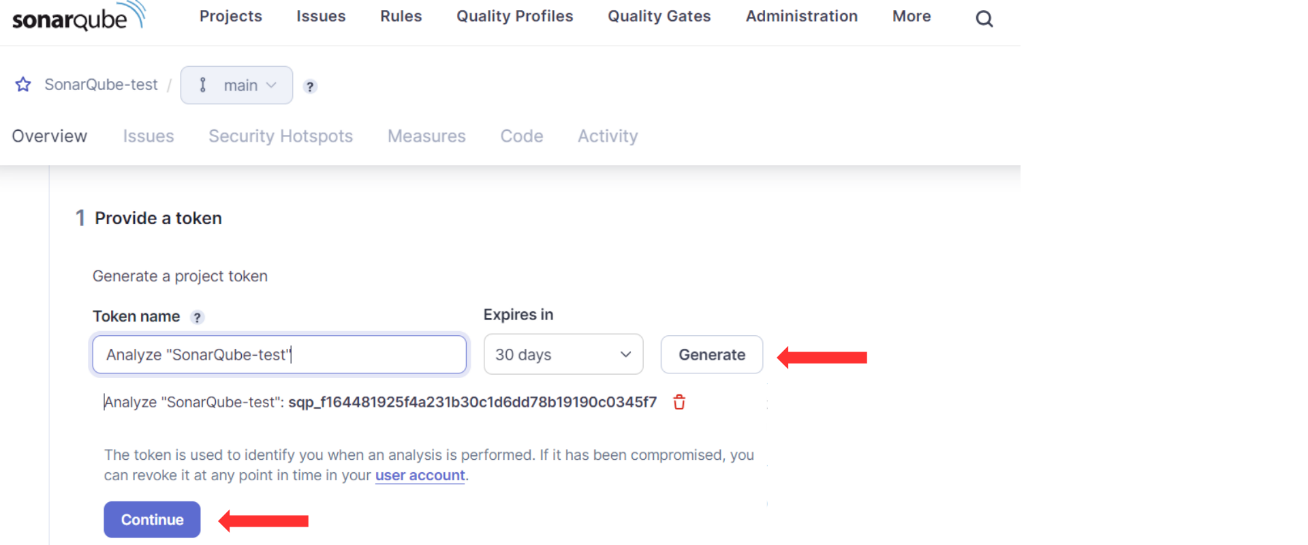
8. Select **use the Global Settings**



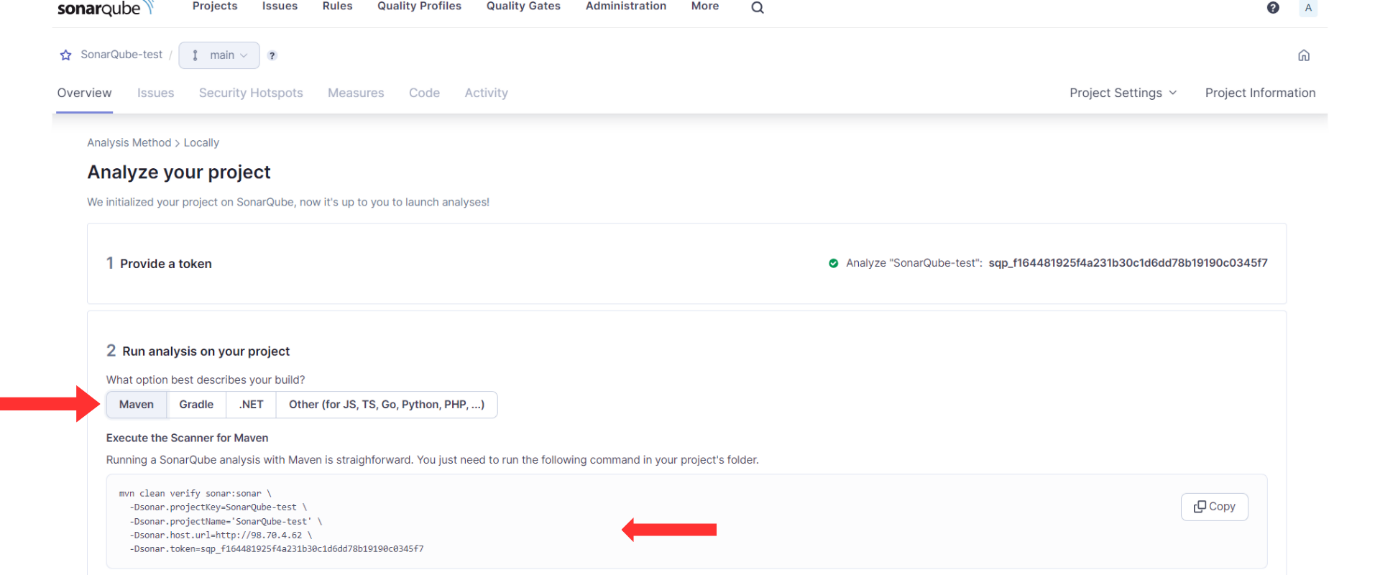
9. Select Analysis Method to **Locally**



10. Generate a Token -> click on **Generate** and **Continue**



11. Analyze project -> select **Maven** to get Sonar analysis command (copy the commands)



12. Execute the following **Jenkins pipeline script** to initiate the SonarQube analysis. Modify the commands to match your **Sonar project name and tokens**, which you can find in **step 6** for more information.

pipeline {

agent any

environment {

DEV\_SERVER\_IP = '98.70.4.62'

}

stages {

stage('Sonar Analysis') {

steps {

// SSH into dev server

sshagent(['azureuser']) {

sh '''

ssh -o StrictHostKeyChecking=no azureuser@${DEV\_SERVER\_IP} '

git clone https://github.com/TestLeafInc/webdriver-tests

cd webdriver-tests

mvn clean verify sonar:sonar -Dsonar.projectKey=SonarQube-test -Dsonar.projectName='SonarQube-test' -Dsonar.host.url=http://98.70.4.62 -Dsonar.token=sqp\_f164481925f4a231b30c1d6dd78b19190c0345f7

'

'''

}

}

}

}

}

13. SonarQube Dashbaord.

