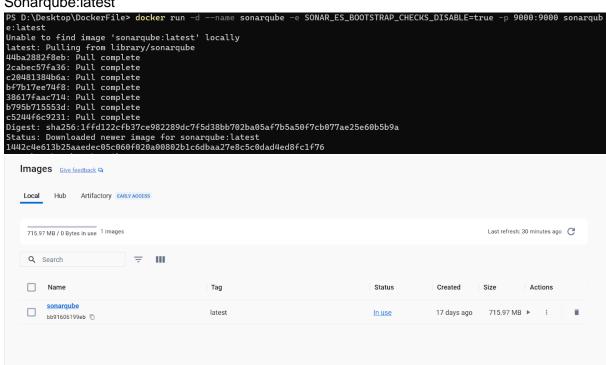
Lab 7 **Mayur Jaiswal D15B** 26

AIM: Installing SonarQube from the Docker Image

\$ docker run -d --name sonarqube -e SONAR ES BOOTSTRAP CHECKS DISABLE=true -p 9000:9000

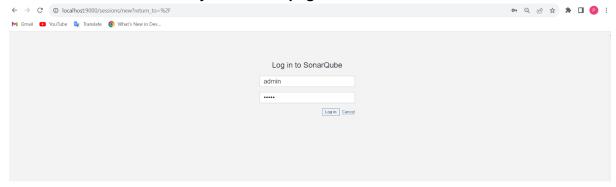
Sonarqube:latest



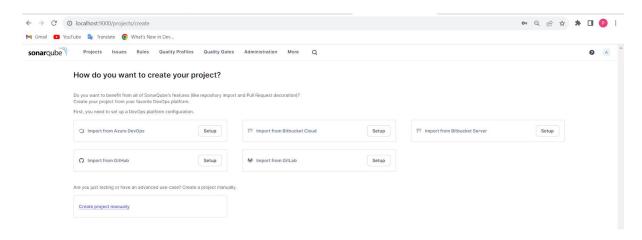
go to the SonarQube page by typing:

http://localhost:9000/ on your browser.

Installation is successful if you see this page

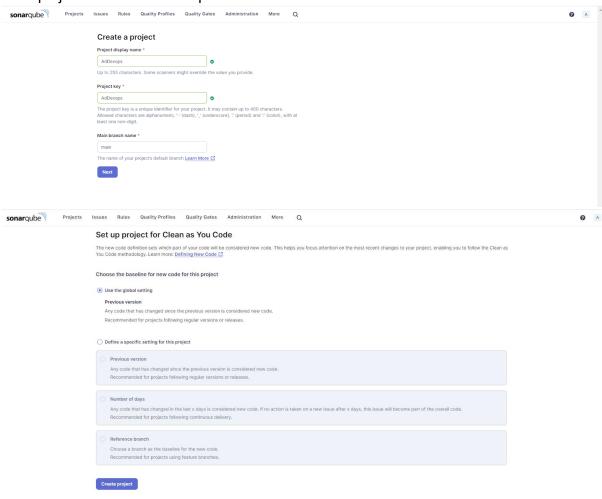


Update to new password



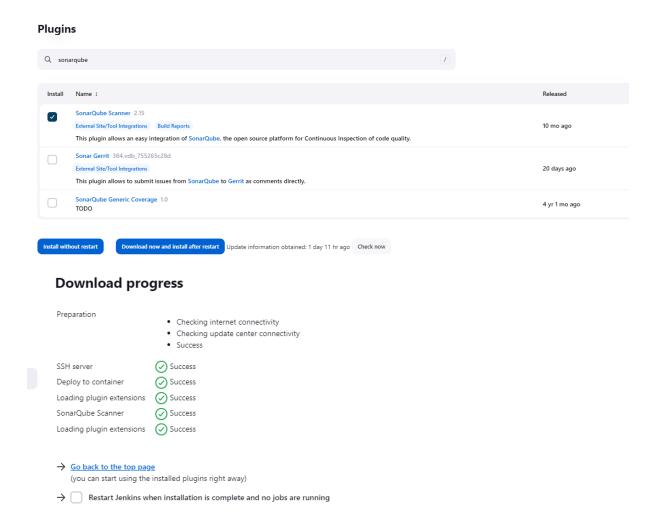
Create project manually:

Here project name is "AdDevops"



open Jenkins

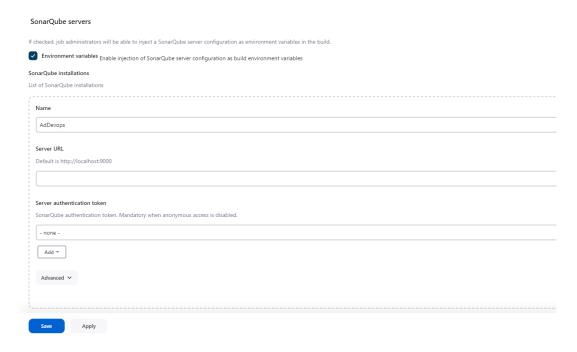
Go to Dashboard ->Manage Jenkins -> Plugin Manager and search for SonarQube Scanner under Available plugins for Jenkins and install without restart.



Under Jenkins,

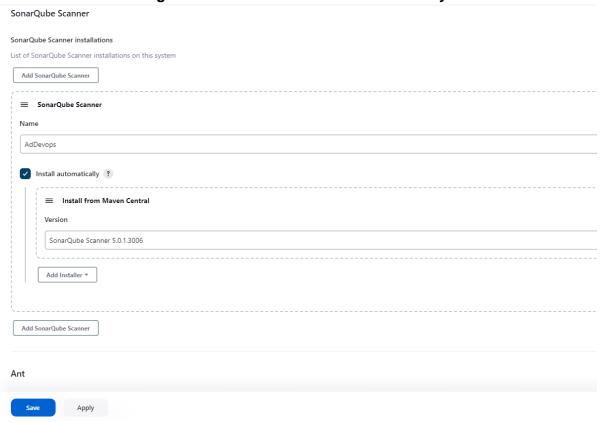
Dashboard -> Manage Jenkins -> Configure System,

Look for SonarQube Servers and enter the details. Enter the Server Authentication Token if needed.

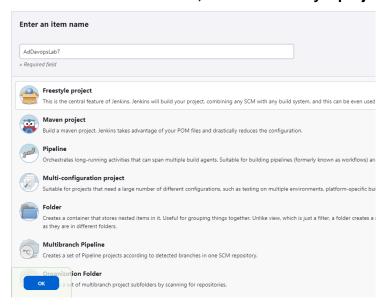


Search SonarQube Scanner under Dashboard -> Manage Jenkins -> Global Tool Configuration.

Choose the latest configuration and choose Install Automatically.



create a New Item in Jenkins, choose a freestyle project.

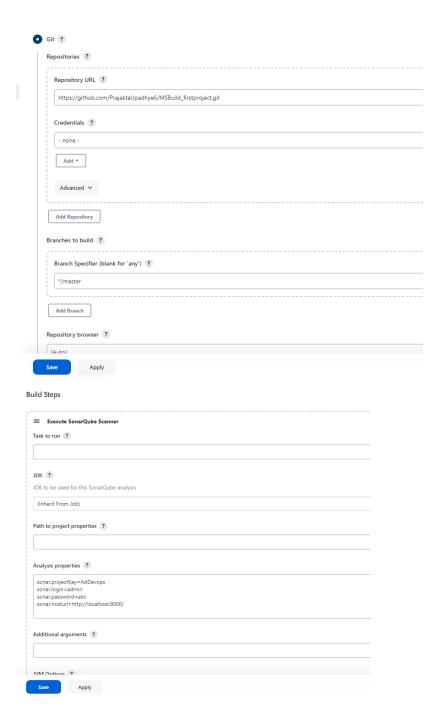


Choose this GitHub repository in Source Code Management.

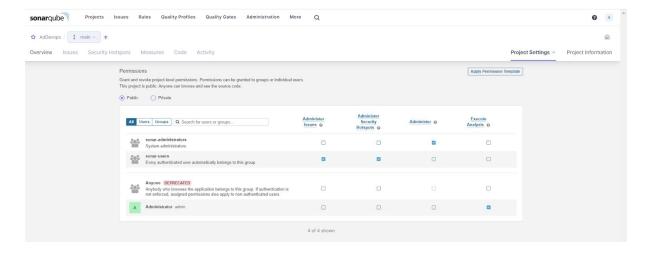
https://github.com/shazforiot/MSBuild_firstproject.git

Under Build ->Execute SonarQube Scanner, enter these Analysis properties. Mention the SonarQube Project Key, Login, Password, and Host URL.

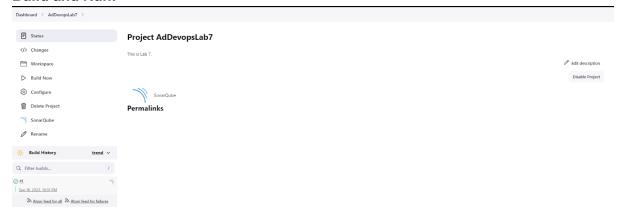
sonar.projectKey=AdDevops sonar.login=admin sonar.password=abc sonar.hosturl=http://localhost:9000/

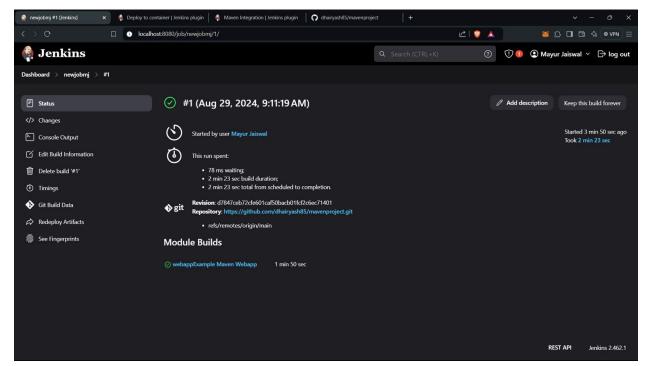


Go to http://localhost:9000/ and enter your previously created username. Go to Permissions and grant the Admin user Execute Permissions.

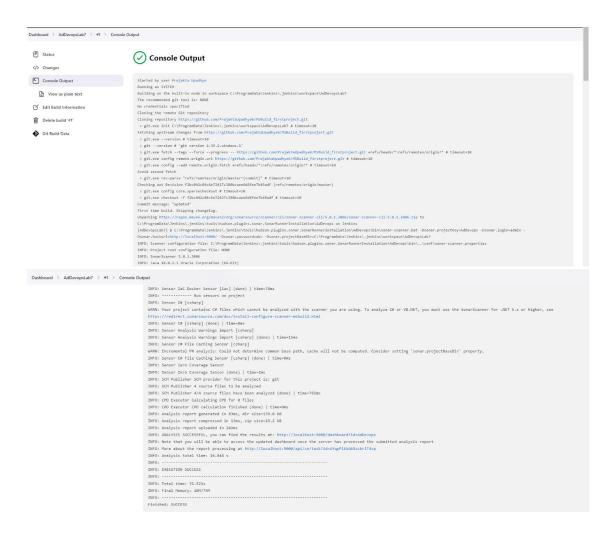


Build and Run:

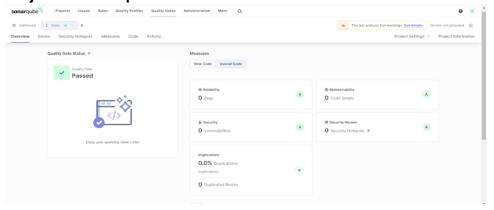




Console Output:



Project on sonarqube:



Conclusion: Thus, we have successfully installed SonarQube from Docker image. SonarQube is a powerful tool that enhances software quality by providing comprehensive code analysis. Implementing SonarQube in your project can significantly improve maintainability, readability, and overall code quality.