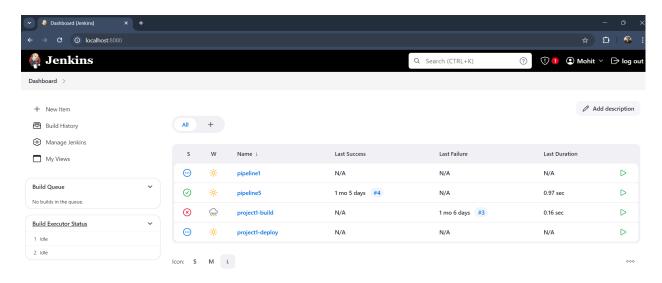
EXPERIMENT 7

Aim: To understand Static Analysis SAST process and learn to integrate Jenkins SAST to SonarQube/GitLab.

• Open up Jenkins Dashboard on localhost, port 8080 or whichever port it is at for you.



Run SonarQube in a Docker container using this command

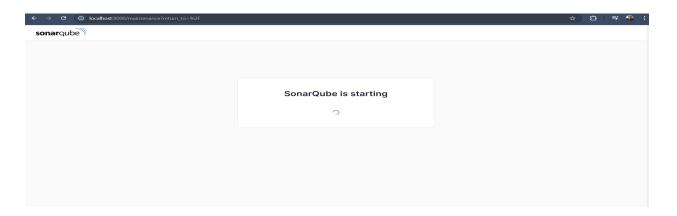
```
Windows PowerShell × + v

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

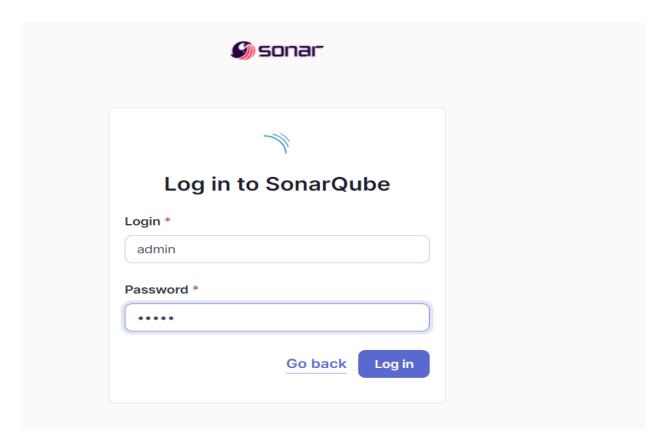
X Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\mrmoh> docker run -d --name sonarqube -e SONAR_ES_BOOTSTRAP_CHECKS_DISABLE=true -p 9000:9000 sonarqube:latest
Unable to find image 'sonarqube:latest' locally
```

• Once the container is up and running, you can check the status of SonarQube at localhost port 9000.



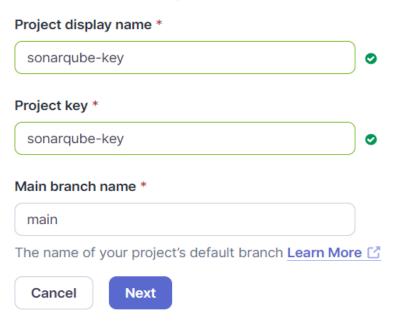
• Login to SonarQube using username admin and password admin.



• Create a manual project in SonarQube with the name sonarqube

1 of 2

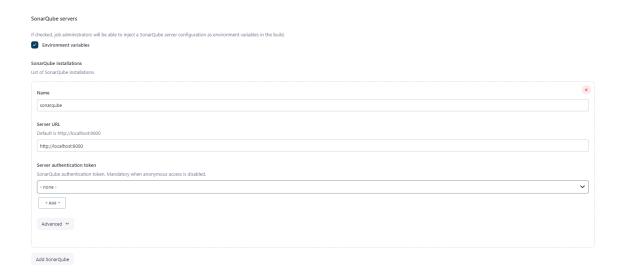
Create a local project



• Go to Manage Jenkins and search for SonarQube Scanner for Jenkins and install it.



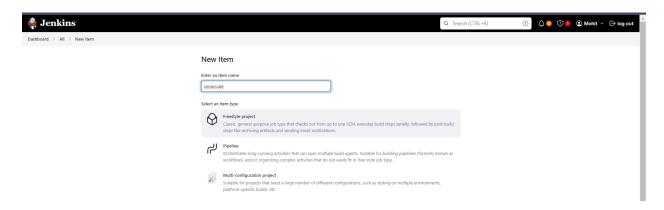
Under Jenkins 'Configure System', look for SonarQube Servers and enter the details.



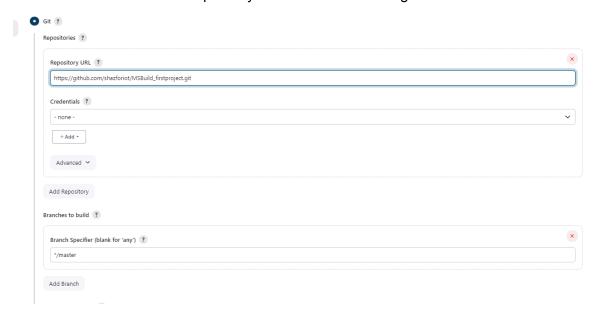
• Search for SonarQube Scanner under Global Tool Configuration. Choose the latest configuration and choose Install automatically.

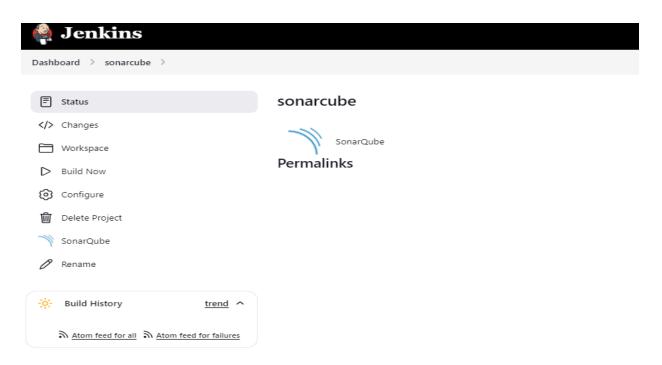


After the configuration, create a New Item in Jenkins, choose a freestyle project.

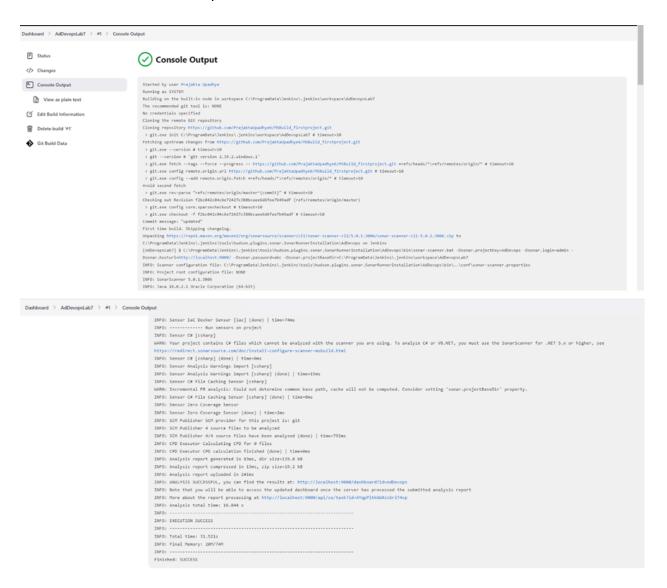


• Choose this GitHub repository in Source Code Management.





Check the console output.



• Once the build is complete, check the project in SonarQube.

