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2KE20CS032

Assignment 27

Understood. To follow the provided instructions and create the files/directory using the same name and case as provided in the task steps, please provide me with the specific names and case instructions for the files/directory you want to create.

Jenkins -3

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Assignment 3 :- Integrate SonarQube scanner into Pipeline

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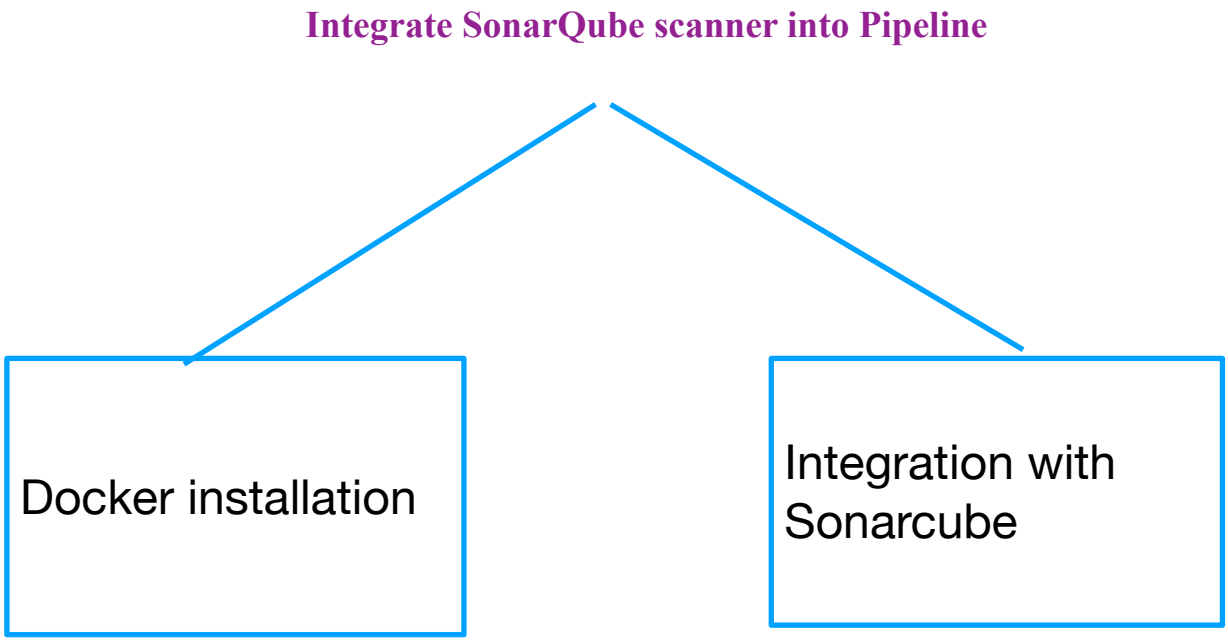
What is sonarqube?

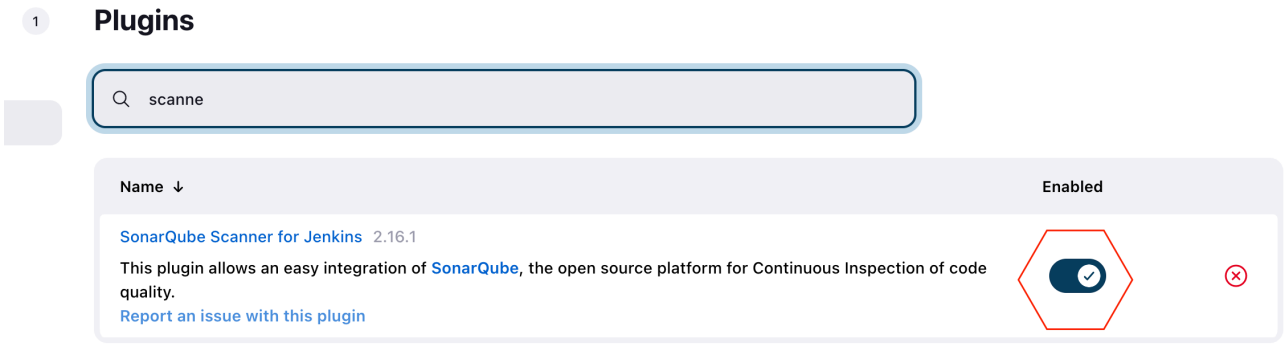
SonarQube is an open-source platform developed by SonarSource for continuous inspection of code quality to perform automatic reviews with static analysis of code to detect bugs, code smells on 29 programming languages

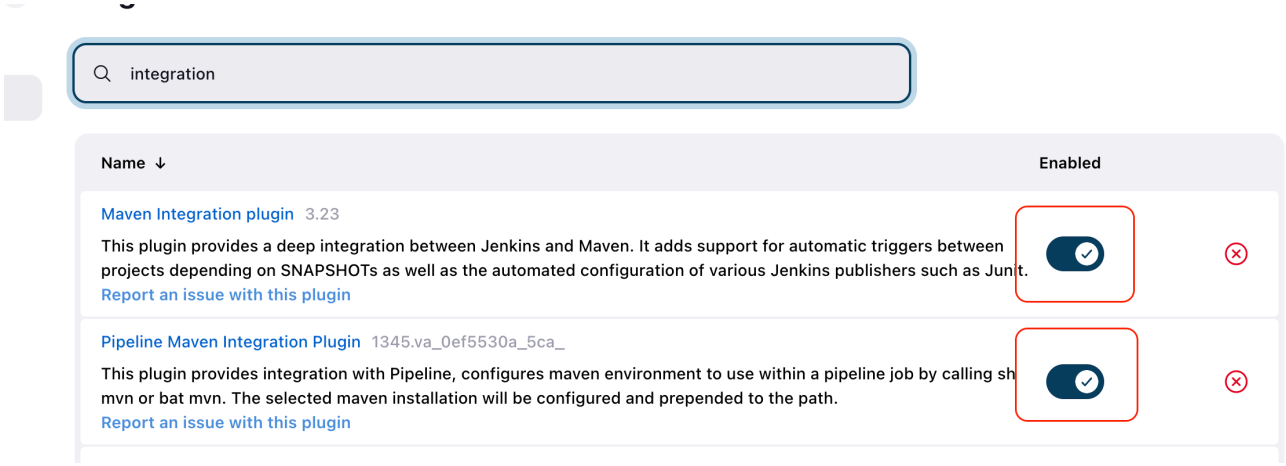


Docker Installation

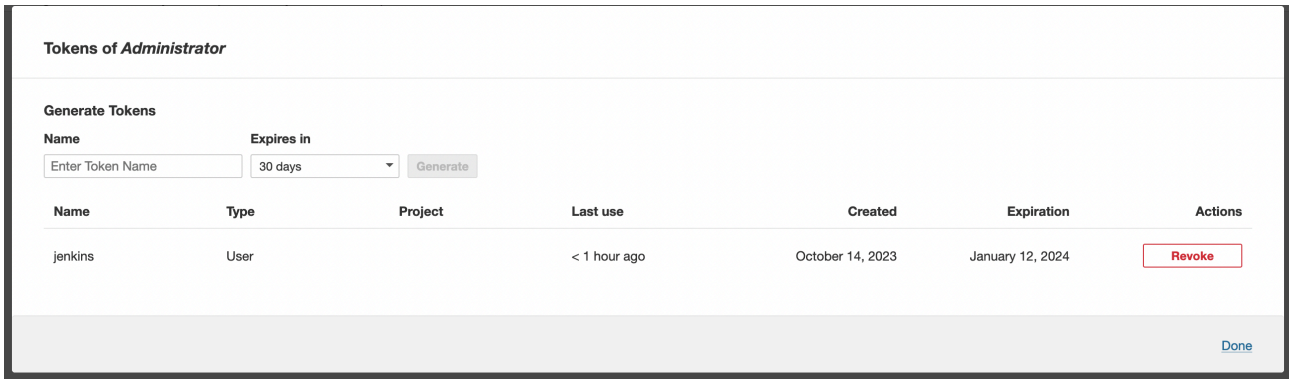
Integration with Sonarcube

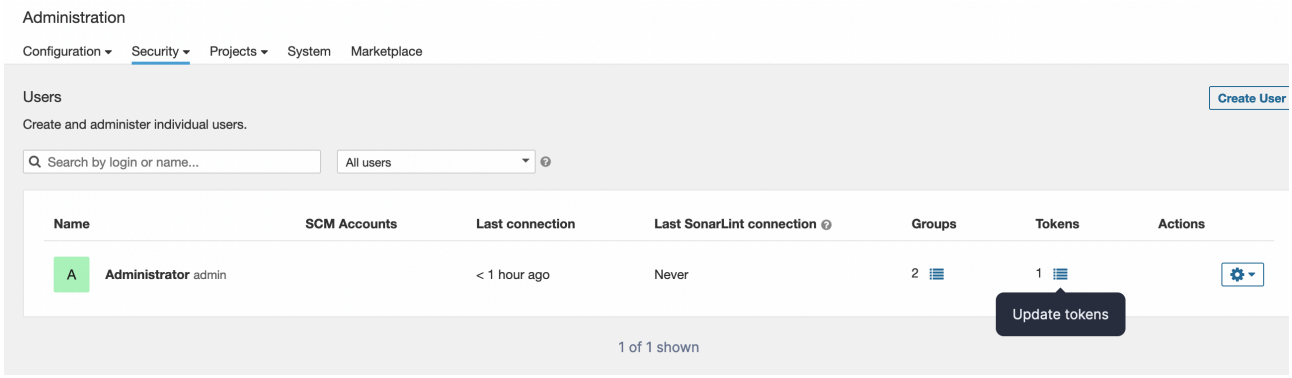
1.In the jenkins, install the following plugins sonarqube scanner for jenkins and pipeline maven integration

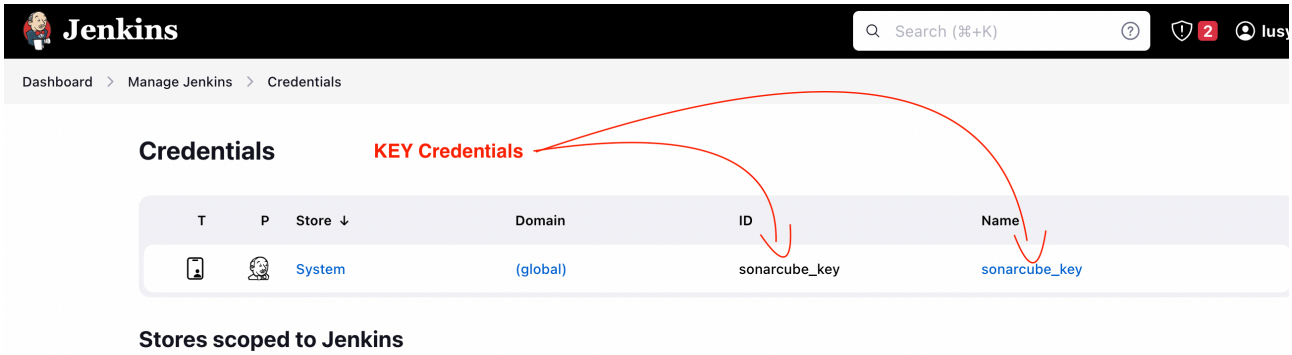




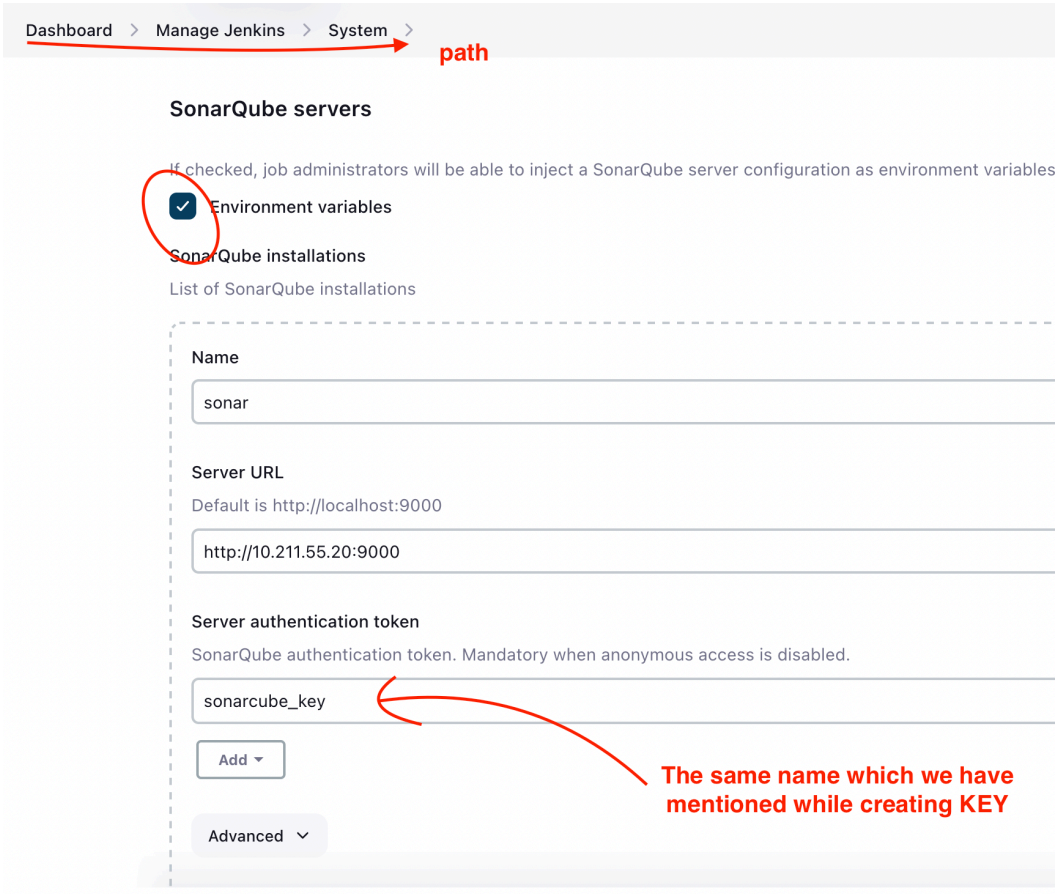
3. Login to your sonarqube server -> Administration -> User -> Security -> tokens
4. Generate a token for jenkins and save it





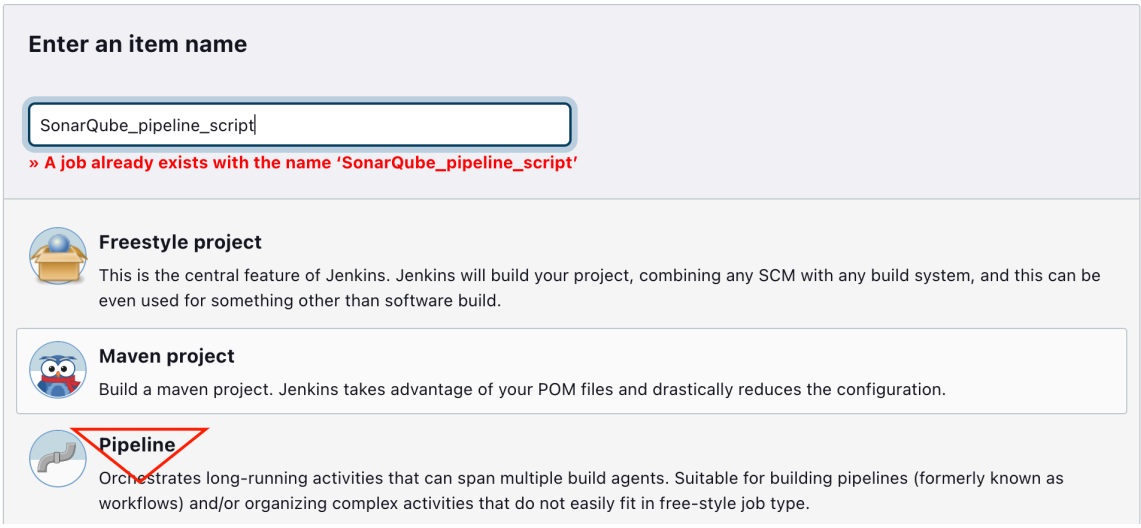


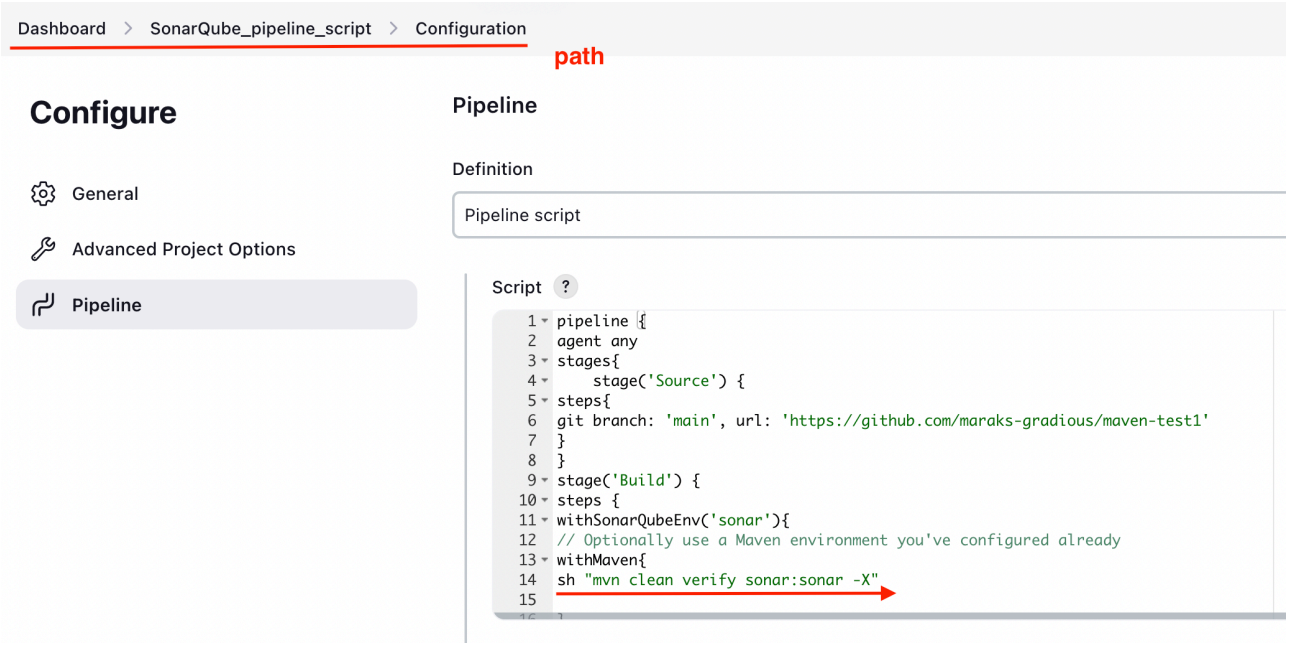
5. Navigate to Manage jenkins -> configure system ->sonarqube servers



In above step Provide the name sonar, your sonarqube server url and port, in the dropdown select
the secret text that is generated from your server
(Note : You need to add sonarqube credentials in Manage jenkins -> credentials -> system -> Global credentials. Select kind and copy sonarqube secret key, provide any id and description and add it)

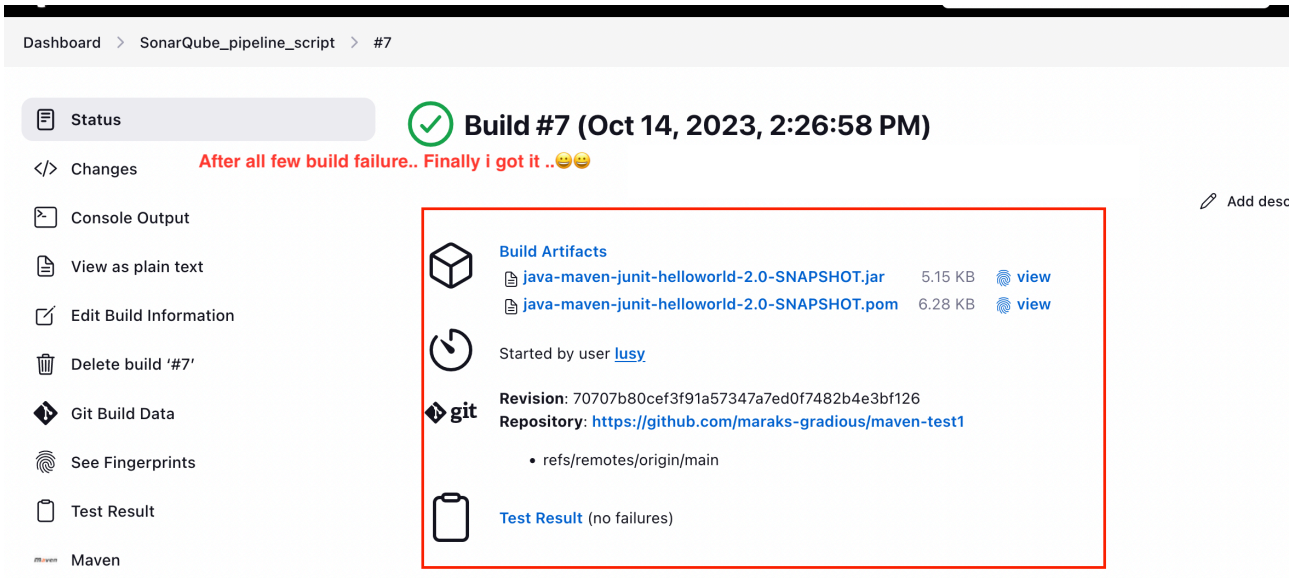
7. Now create a pipeline using the script placed in the link

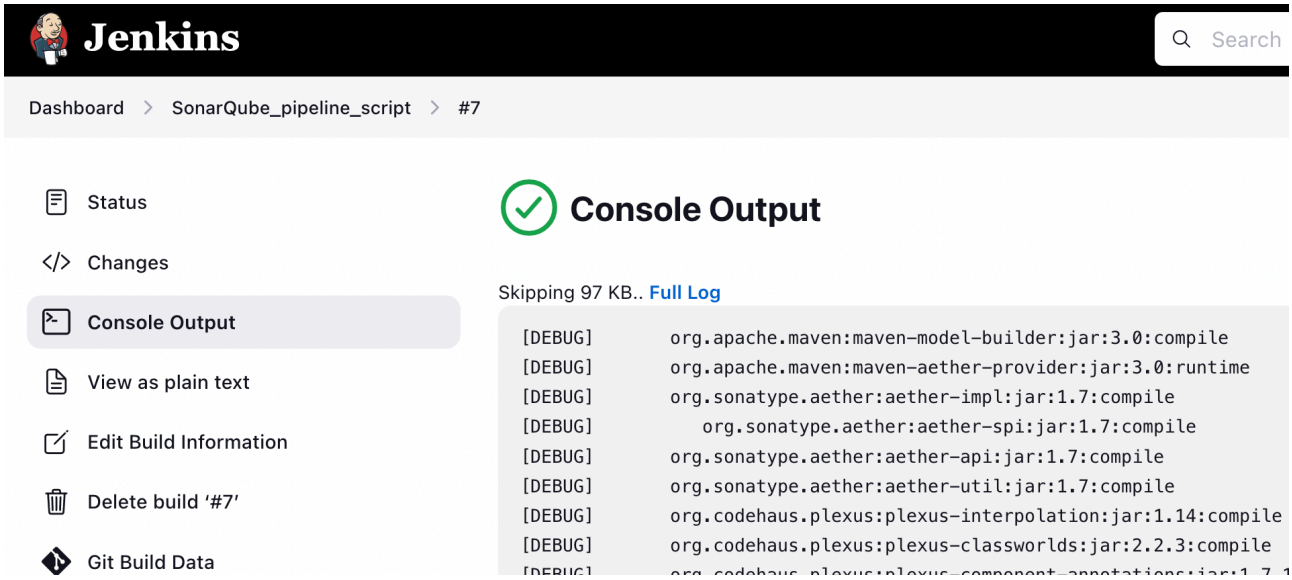




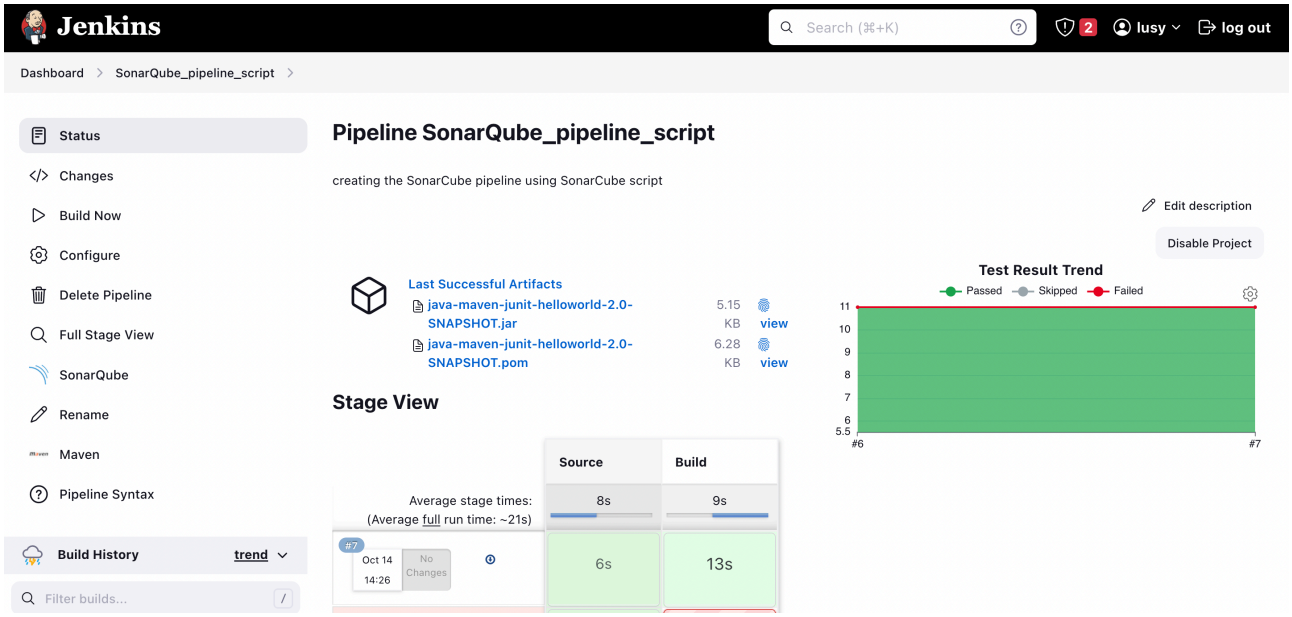
note: I have -X at last line

8. Build the pipeline and verify the build status





9. Now navigate to sonarqube server to check the code quality results



10. You can click your project and see the code test results,