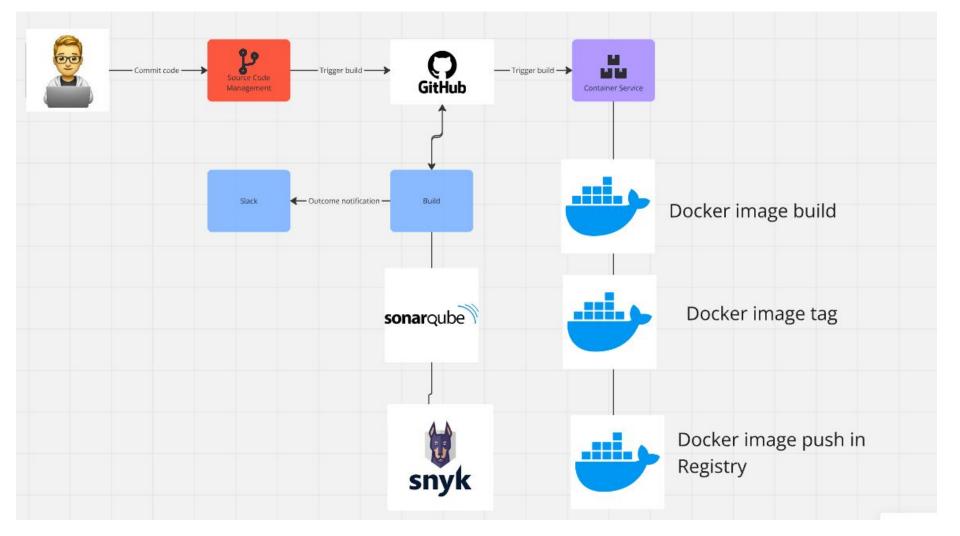
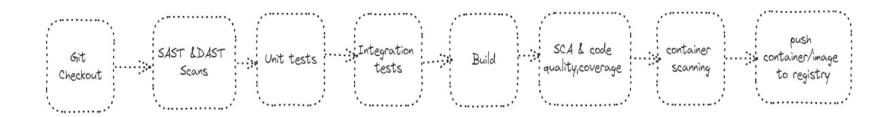
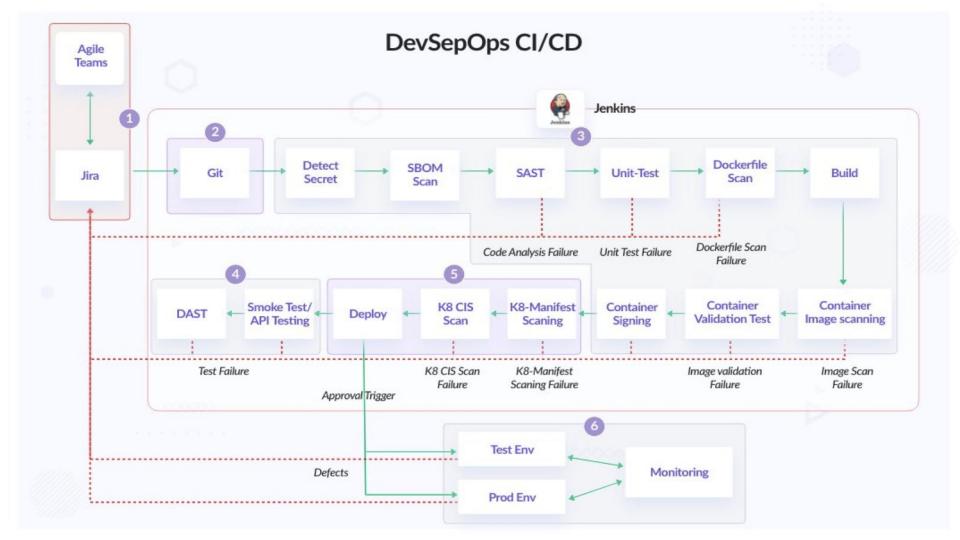
End to End DevSecOps Cl Pipeline using Github Action.



END TO END PIPELINE STAGES-





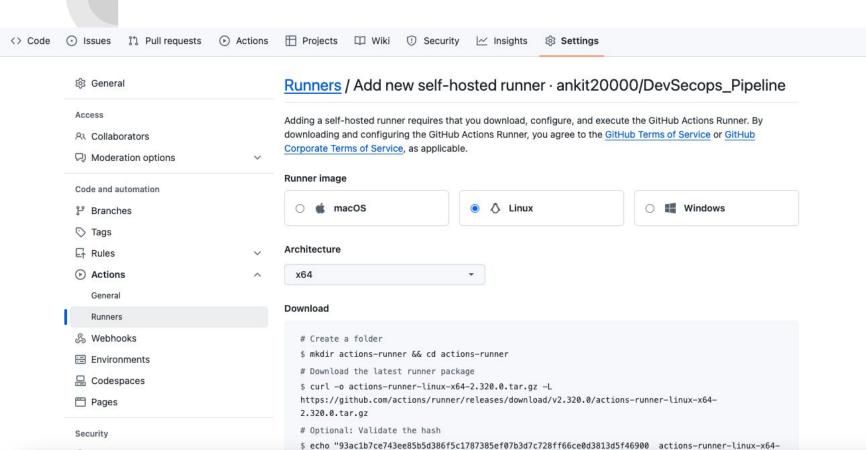
Snyk Vs Sonarcloud

- Snyk mostly works on security aspects like SAST(Static Application Security Testing) and SCA(Software Composition Analysis).
- Sonarcloud or Sonarqube focuses on Code coverage, Code quality, etc
- Both offer a range of services.
- We can even include DAST (Dynamic Application Security Testing) like OWASP Zed proxy Attack, Nikto etc

Key requirements for Application Build

- 1. Create A Build Server from your Cloud Account or you can use github provided runner
- 2. Add the cloud Server in github as a runner
- 3. Install the software which required to build the application (maven,java, docker)
- 4. Create Github Action for CI/CD pipelines.
- 5. Make sure the code is scanned using Sonar Cloud (Create a free account on https://sonarcloud.io)
- 6. The code needs to be scanned and built on every branch code commit.
- 7. Create a free account on **JFROG Artifactory** because this will be used to store JAR/Docker Image.

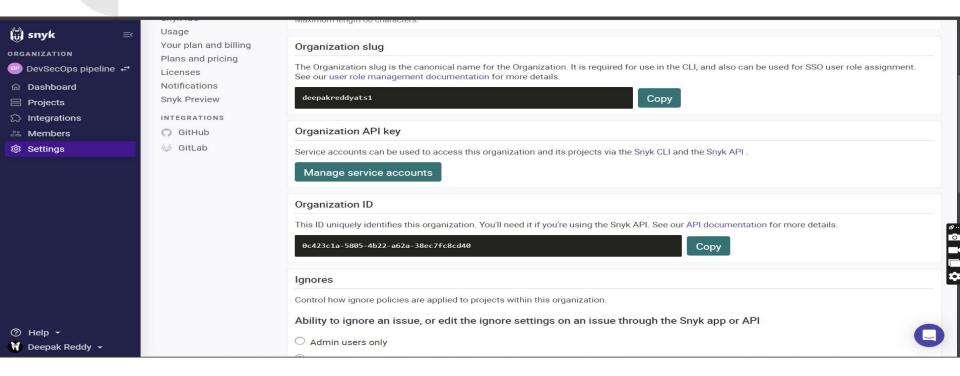
STEP1- got to github repo \rightarrow Setting \rightarrow Action \rightarrow Runner and then download the tar in your server



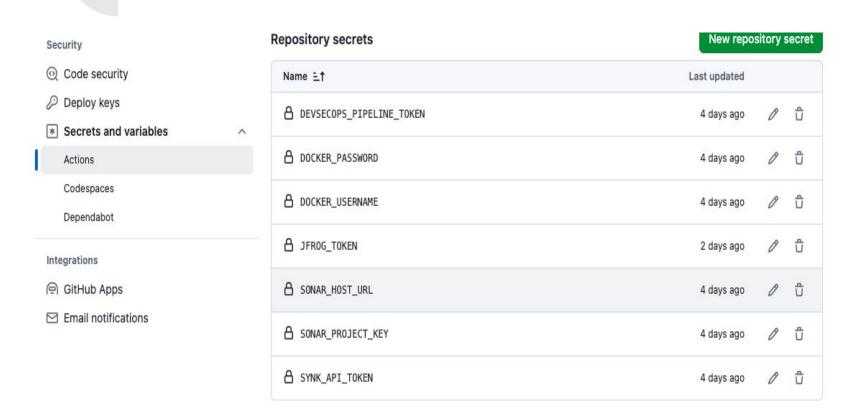
Step1: Clone/fork this spring petclinic repo

https://github.com/ankit20000/DevSecops_Pipeline.git

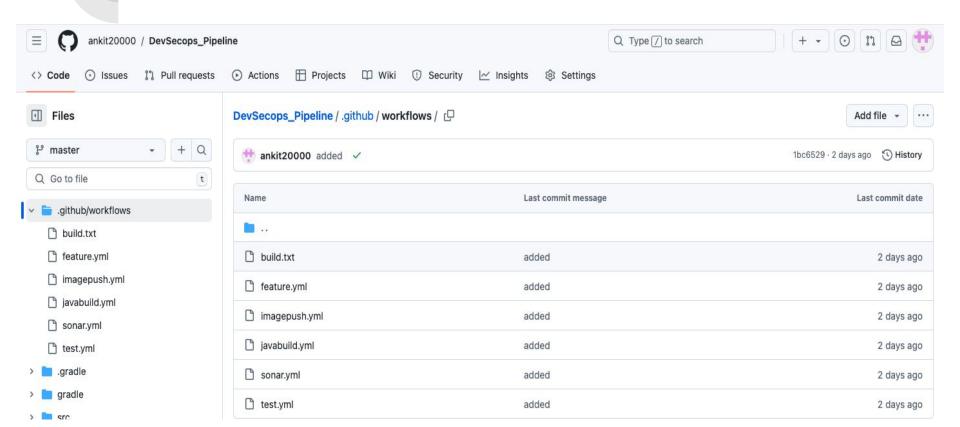
Step2: copy snyk api token snyk account



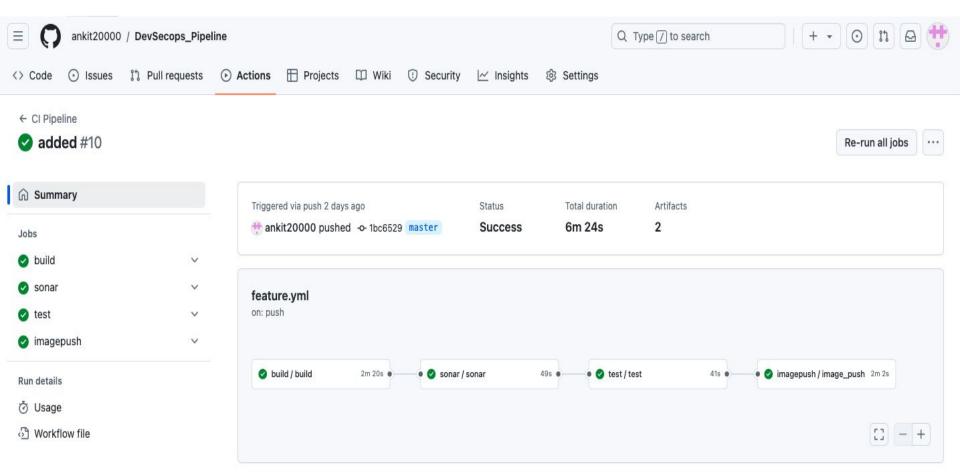
Step3: Add Sonar Url , sonartoken, jfrog url jfrog toke , docker username and docker password



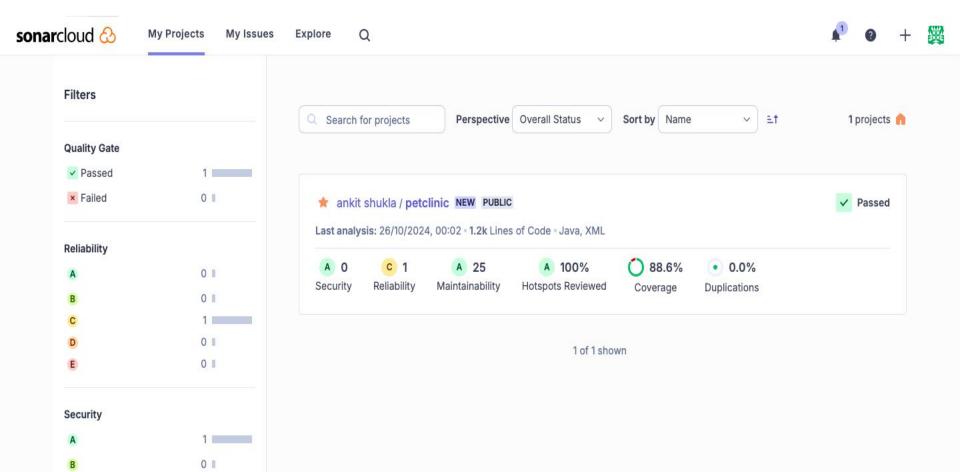
Step4- Create the pipeline



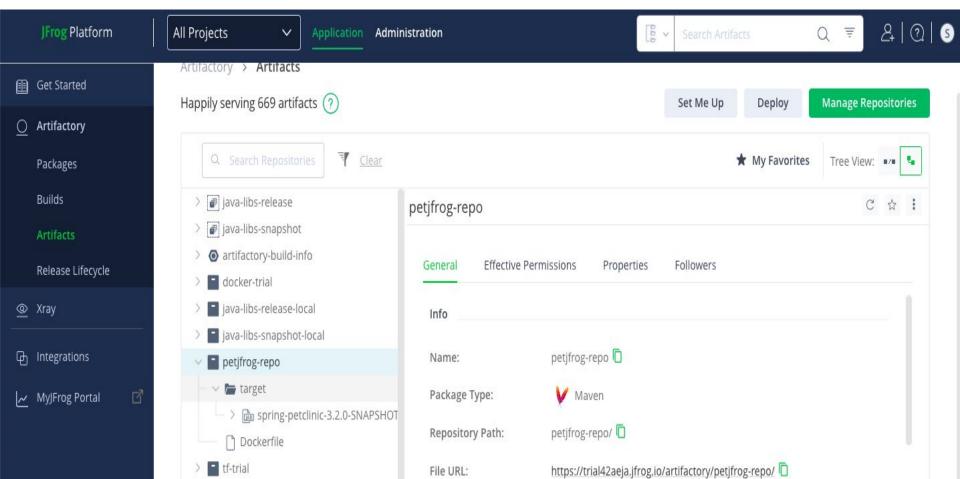
STEP 5 – after adding variables run the pipeline or make any commit to execute.



SonarQube status



Jfrog Artifacts -



Docker Hub status-

