Install Sonarqube and jenkins using google vm instances and docker images

Install jenkins Container in GCP

Launch a gcp vm instance

create firewall for the vm instance allow-all-http (protocol)

ssh to the vm instance

install the updates and docker engine

follow the link below to get all the commands to perform the update and docker installation

https://phoenixnap.com/kb/how-to-install-docker-on-ubuntu-18-04

Using the link below go to docker hub and pull the latest jenkins image

https://hub.docker.com/_/jenkins

run the following commands

 # docker pull jenkins/jenkins

Run the jenkins as a container and open port 8080

 # docker run -d -p 8080:8080 -p 50000:50000 jenkins/jenkins

Go on the browser, paste the external ip address of the vm instance and

add port 8080

Install Sonarqube on GCP

Launch vm instance

Ensure the vm instance is mapped to the allow-all-http protocol created for the

jenkins vm instance above

Install docker

Install docker-compose

Run the following commands

 # docker pull sonarqube

 # docker run -d --name sonarqube -p 9000:9000 -p 9092:9092

sonarqube

Go on the browser and paste the external ip address for the vm instance

Add port 9000

Enter and your sonarqube console should be available