**Configure Docker as a specified runner for Gitlab CI/ CD pipeline**

**Step 1: Install docker on your vm.**

# curl -fsSL https://test.docker.com -o test-docker.sh

# sudo sh test-docker.sh

**Note:** in case your docker socket is not working use the command below

# sudo chmod 666 /var/run/docker.sock

**Step2: Pull docker image.**

In my case I am using node:18.2 so I use this specific image

# sudo docker pull node:18.2

**Step3: Run the docker container and add additional requirement.**

# sudo docker run -itd --name frunner node:18.2

After this run constainer

# sudo docker start frunner

Then execute container

# sudo docker exec –it frunner /bin/bash or sudo docker exec –it frunner bash

In the container shell execute

# apt-get update

# curl -L https://packages.gitlab.com/install/repositories/runner/gitlab-runner/script.deb.sh | bash

# apt-get install gitlab-runner

I am also using angular so I install angular cli

# npm install -g @angular/cli

**Step4: register your gitlab ci / cd runner**

Goto your gitlab repo and in setting->cicd. Turn off the shared runner and make sure that your open that browser.

In your docker shell register the gitlab runner.

# gitlab-runner register

Paste the runner url and token from browser and other details (as per your requirenment).

Now refresh your page and the new runner will be appeared in the specified runner section.

**UNISTALL GITLAB-RUNNER**

# sudo apt remove gitlab-runner

# rm -rf /var/opt/gitlab

# pkill -f gitlab

# rm -rf /opt/gitlab rm -rf /etc/gitlab rm -rf /var/opt/gitlab