Installing Docker plugin and configuring Docker cloud

- Add Docker cloud by accessing Manage Jenkins ⮕ Configure system. Then, you have to add Docker cloud details as shown below:

Docker Host URI: unix:///var/run/docker.sock

- Configure the Docker cloud to give complete access to docker.sock file so that Jenkins will be able to connect to Docker process

chmod 777 /var/run/docker.sock

Configuring Jenkins job

- Create a new Jenkins pipeline job for supporting CI/CD workflow

- Configure Git repository so that we can have Dockerfile to build Docker container and push it to Docker Hub

https://github.com/ Docker.git

- Configure build triggers to enable Poll SCM feature so that once any push is detected

Build Triggers

☐ Trigger builds remotely (e.g., from scripts)

☐ Build after other projects are built

☐ Build periodically

☐ GitHub hook trigger for GITScm polling

☑ Poll SCM

Schedule

```
H/2 * * * *
```

Would last have run at Monday, July 15, 2019 6:29:35 PM UTC; would next run at Monday, July 15, 2019 6:29:35 PM UTC.

Ignore post-commit hooks ☐
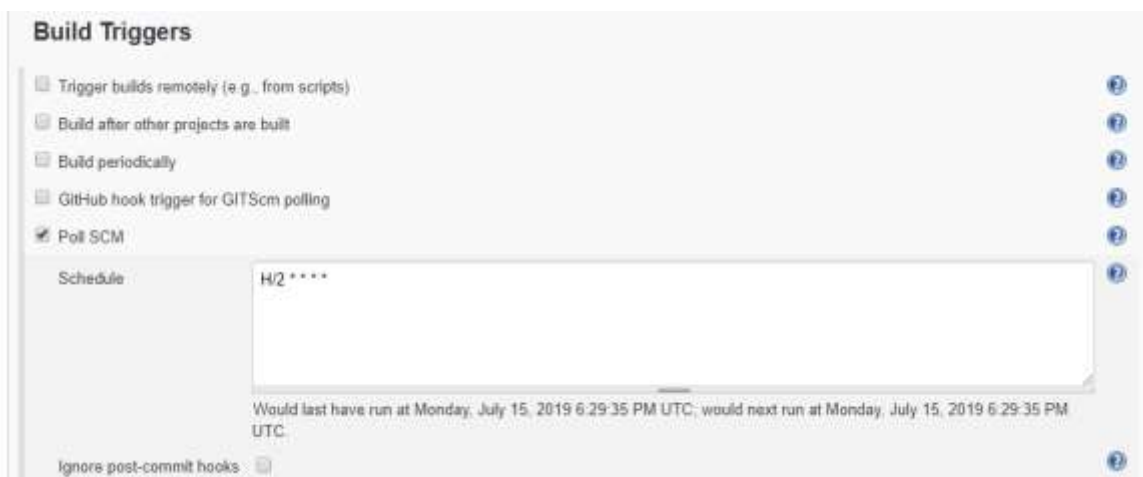
- Configure Docker build option to configure build configurations. Some of the configurations are mentioned below:

Directory for Dockerfile   .   (Represents current location)

Docker Registry URL
https://index.docker.io/v1/

Docker credentials   Docker hub username
password

Cloud   Select Docker Cloud created in dropdown

Image
anujsharma1990/phpcode:${BUILD_NUMBER}

Registry Credentials   Docker hub username
password