Build Docker Images
Using
Jenkins

Install JDK 1.8 & Jenkins on AMI

>sudo yum remove java-1.7.0-openjdk

>sudo yum install java-1.8.0

Install Jenkins using yum

>java –version

>sudo yum update –y

>sudo wget -O /etc/yum.repos.d/jenkins.repo http://pkg.jenkins.io/redhat/jenkins.repo

Install JDK 1.8 & Jenkins on AMI

>sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io.key

>sudo yum install jenkins –y

>sudo service jenkins start

Open a browser & configure Jenkins

http://IP-ADDRESS:8080/

Jenkins & docker group

Put in a simple free style job and print out

- whoami
- docker version

Permission issues on Linux – jenkins user needs to be added to docker group

>sudo usermod -aG docker jenkins

>sudo service jenkins stop

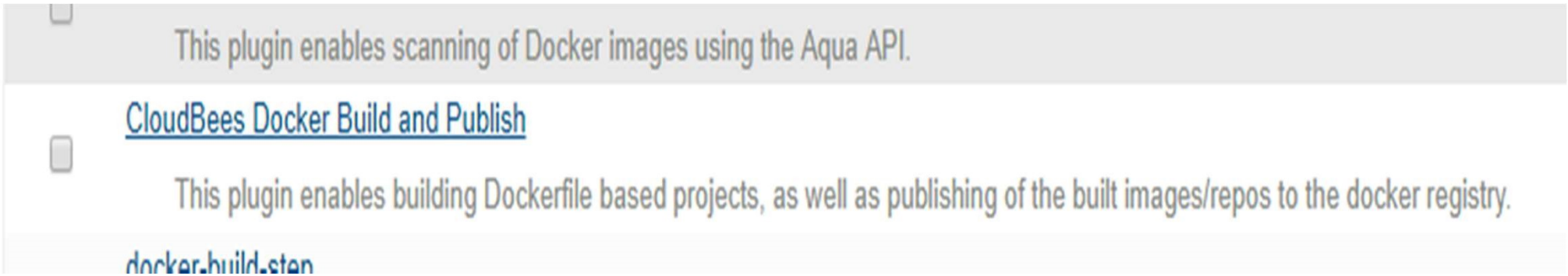
> sudo service jenkins start

Docker build

- Put up a free style job to pull up this GitHub Repository and build it : https://github.com/rchidana/NodeApp
- If needed, install git client >sudo yum install git
- Check if the image is successfully built

Docker CloudBees plugin

- Install CloudBees ‘Docker Build and Publish’ Plugin
- This plugin can be used to build & automatically push the image to GitHub Public Repository



Docker CloudBees plugin

- Build & Push the image to DockerHub by providing required credentials