**Docker Aws Instance with Jenkins Local**

Step 1 : execute the following command once docker get install on vm

* sudo nano /usr/lib/systemd/system/docker.service

Step 2 : Find the below line in docker.service file

* ExecStart=/usr/bin/dockerd -H fd://

Step 3 : Change the above line in docker.service file

* ExecStart=/usr/bin/dockerd -H tcp://0.0.0.0:2375

Step 4 : To save the docker.service file

* Press cntl+o then enter
* Press cntl+x to exit

Step 5 : Run the following commands

* sudo systemctl daemon-reexec
* sudo systemctl daemon-reload
* sudo systemctl restart docker

Step 6 : Allow port 2375 in security group

Step 7 : In Jenkins configuration pipeline

pipeline{

agent any

tools{

maven 'maven'

}

environment {

DOCKER\_HOST = 'tcp://3.7.73.22:2375'

}

stages{

stage('git clone'){

steps{

git branch: 'main', url: 'https://github.com/GurunathJadhav/docker-example.git'

}

}

stage('mvn excecution'){

steps{

bat 'mvn clean package'

}

}

stage('build image'){

steps{

bat 'docker build -t gurunath002/web .'

}

}

stage('deploy'){

steps{

bat 'docker stop web-app'

bat 'docker rm web-app'

bat 'docker run -d -p 9090:8080 --name web-app gurunath002/web'

}

}

}

}