Last login: Sat Feb 15 14:37:17 2020 from 1.38.196.165

ubuntu@ip-172-31-38-192:~$ docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

mearsk\_web latest 3ca02b7abc20 23 minutes ago 908MB

myapp latest 5529641f1fa9 25 minutes ago 908MB

python 2.7 09a181e16b7e 9 days ago 896MB

redis latest 44d36d2c2374 13 days ago 98.2MB

ubuntu@ip-172-31-38-192:~$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

6e3517530577 mearsk\_web "/bin/sh -c 'python …" 23 minutes ago Up 23 minutes 0.0.0.0:5000->5000/tcp mearsk\_web\_1

409dce5883af redis "docker-entrypoint.s…" 23 minutes ago Up 23 minutes 6379/tcp mearsk\_redis\_1

ubuntu@ip-172-31-38-192:~$

Jenkins Pipe line scripts

pipeline {

agent none

stages {

stage('Build') {

agent {

docker {

image 'python:2-alpine'

}

}

steps {

sh 'python -m py\_compile app/app.py'

}

}

stage('Test') {

agent {

docker {

image 'qnib/pytest'

}

}

steps {

withEnv(["HOME=${env.WORKSPACE}"]) {

sh 'echo $HOME '

sh 'pip install --user -r app/requirements.txt'

sh 'pytest -q app/app\_test.py' }

}

post {

always {

junit 'test-reports/results.xml'

}

}

}

stage('Build Image')

{ sh "docker build -t myapp ."

}

stage('deployment to container')

{

sh "docker-compose up"

}

}

}

Docker file

---------------------------------------------

FROM python:2.7

ADD . /myapp

WORKDIR /myapp

RUN pip install -r app/requirements.txt

CMD python app/app.py

Docker-compose file

---------------------------------------------

version: '2'

services:

web:

build: .

ports:

- "5000:5000"

volumes:

- .:/myapp

depends\_on:

- redis

redis:

image: redis

Python Application Outputs

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