EC2

Services-->Launch Instance Amazon Linux AmiGeneral Purpose(t2.micro)Next…next-->Review and Launch Launch

DOCKER RELATED COMMANDS:

1. sudo yum install docker
2. to start daemon services: sudo service docker start
3. sudo docker images
4. sudo docker run hello-world
5. sudo docker ps //list of running images
6. sudo docker ps -a

STEP 1:

flask is a library used for creating web application.

app.py

from flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/')

def hello\_world():

return 'Flask Dockerized'

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True,host='0.0.0.0')

STEP 2:

Requirement files:

gedit

STEP 3:

Dockerfile

FROM ubuntu:latest

RUN apt-get update -y

RUN apt-get install -y python-pip python-dev build-essential

COPY . /app

WORKDIR /app

RUN pip install -r requirements.txt

EXPOSE 5000

ENTRYPOINT ["python"]

CMD ["app.py"]

STEP 4:

Build Docker image

$ sudo docker build -t flask-sample-one:latest .

Tag docker image

sudo docker tag flask-sample-one:latest flask-sample:vl

Run docker container

sudo docker run -d -p 80:5000 flask-sample-one

Stop docker cointainer

sudo docker stop <container id> dfb281e004ef

katacoda docker

link ssh to docker

ssh -i Demo.pem ec2-user@ec2-3-84-232-18.compute-1.amazonaws.com