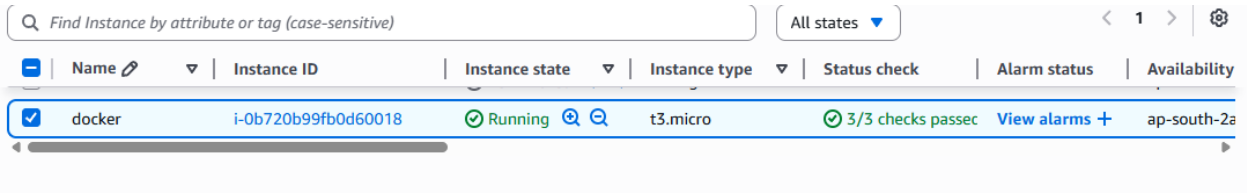
RUNNING A GIT REPO USING DOCKER

GIT REPO : [https://github.com/rajendra0968jangid/python-dockerfile]

STEPS

Step 1 : Creating a ubuntu instance in the aws.



Step 2 : Connecting the instance and then installing docker in it.

how to use docker

step 1:- create instance
step 2:- run command (sudo apt update)
step 3:- cmd to install docker (sudo apt install docker.io -y)
step 4:- cmd to check docker(sudo docker --version)
step 5:- give permission(sudo usermod -aG docker ubuntu)

Step 3 : creating a clone the repo and then do ls to see the content of the file. It must contain the Dockerfile in it .

Use command : git clone <link of the repo> To check the content do ls

Step 4 : Type **'cd'** and go inside the file with the name **python-dockerfile.** Do ls to check the docker file.

```
ubuntu@ip-172-31-10-221:~$ cd python-dockerfile
ubuntu@ip-172-31-10-221:~/python-dockerfile$ ls
Dockerfile  README.md  app.py
```

Step 5 : Build a image for the repo.

```
ubuntu@ip-172-31-10-221:~/python-dockerfile$ docker build -t sample .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  66.56kB
Step 1/5 : FROM python:3.12-slim
3.12-slim: Pulling from library/python
61320b01ae5e: Pull complete
be1274d3cce0: Pull complete
8991c9200d62: Pull complete
7a1cb8b88221: Pull complete
Digest: sha256:fd95fa221297a88e1cf49c55ec1828edd7c5a428187e67b5d1805692d11588db
```

Step 6 : create a container for the image.

```
ubuntu@ip-172-31-10-221:~/python-dockerfile$ docker run -d --name=aman -p 5001:5000 sample
0eb57e29367c7322fdf8da8ceb4ceef65b5461c3fac50d8eef2a753cefb51880
ubuntu@ip-172-31-10-221:~/python-dockerfile$ docker ps
CONTAINER ID   IMAGE     COMMAND           CREATED         STATUS         PORTS                                       NAMES
0eb57e29367c   sample    "python app.py"   6 seconds ago   Up 5 seconds   0.0.0.0:5001->5000/tcp, [::]:5001->5000/tcp   aman
```

Step 7 : it shows your container is woring properly . Now check the status of project using the a browser and the instance public id .

Type " PUBLIC IP : PORT " on the browser new tab .

Welcome

I am good, how about you?