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ASSIGNMENT NO: 4.5

Import os , redis and add environment

Add env to the docker file

```
Dockerfile > ...
You, 4 hours ago | 2 authors (Usama Ejaz and others)

FROM python: 3.7-alpine

WORKDIR /code

ENV FLASK_APP=app.py

ENV FLASK_RUN_HOST=0.0.0.0

ENV SERVICE_DISCOVERY='redis'

RUN apk add --no-cache gcc musl-dev linux-headers

COPY requirements.txt requirements.txt Usama Ejaz, last week * Added day 1 and 2 for Microservices

RUN pip install -r requirements.txt

EXPOSE 5000

COPY . .

CMD ["flask", "run"]
```

```
• maviaalamkhan@all-MS-7D35:~$ cd ~/.docker
  maviaalamkhan@all-MS-7D35:~/.docker$ ls
             buildx contexts daemon.json desktop devenvironments scan scout
           maviaalamkhan@all-MS-7D35:~/.docker$ cd ~/.docker/credentials
             bash: cd: /home/maviaalamkhan/.docker/credentials: No such file or directory
maviaalamkhan@all-MS-7D35:~/.docker$ cd ~/.awsmaviaalamkhan@all-MS-7D35:~/.aws$ ls
        config credentials
   maviaalamkhan@all-MS-7D35:~/.aws$ rm config
   maviaalamkhan@all-MS-7D35:~/.aws$ ls
             credentials
         Default region name [None]: eu-north-1
Default output format [None]:
maviaalamkhan@all-MS-7035:-$ aws ecr get-login-password --region eu-north-1 | docker login --username AWS --password-stdin 017096188619.dkr.ecr.eu-north-1.amazonaws.com
WARNING! Your password will be stored unencrypted in /home/maviaalamkhan/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
   Login Succeeded

maviaalamkhan@all-Hs-7035:-/Documents/usama_git_repo/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_1_microservices/integrating_flask_redis$ docker build -t flask

|-| Building 33.4s (11/11) FINISHED

| internal| load build definition from Dockerfile

| transferring dockerfile: 327B

| internal| load build definition from Dockerfile

| transferring dockerfile: 327B

| internal| load build definition from Dockerfile

| transferring context: 20

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    latest: digest: sha256:b5195252e18024f20a5d90a2181eab7e416c1f6d90c2913eb7aac877494bff5a size: 2417
maviaalamkhan@all-MS-7035:-/Documents/usama_git_repo/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_l_microservices/integrating_flask_redis$
maviaalamkhan@all-MS-7035:-/Documents/usama_git_repo/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_l_microservices_integrating_flask_redis$
maviaalamkhan@all-MS-7035:-/Documents/usama_git_repo/data_engineering_bootcamp_2303/tasks/4_microservices_development/day_l_microservices_integrating_flas
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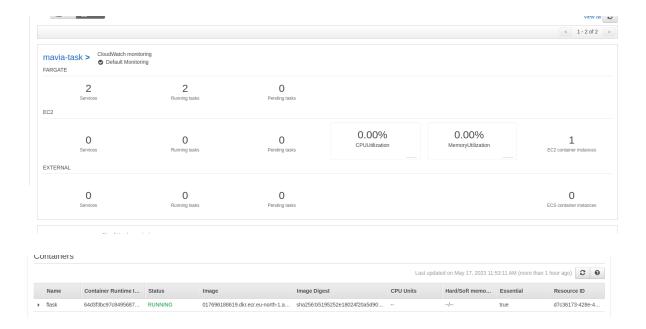
Login Grault Tag: Latest

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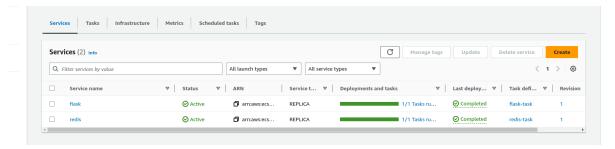
Login Complete

Login Grault Complete
```

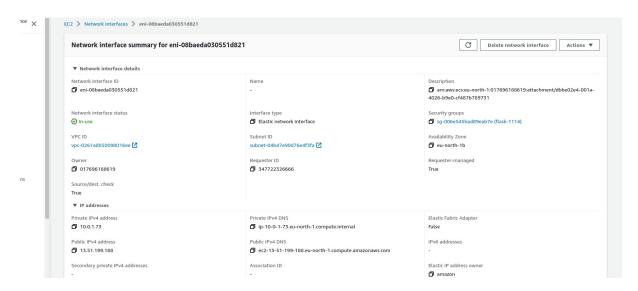


Creating namespace and services



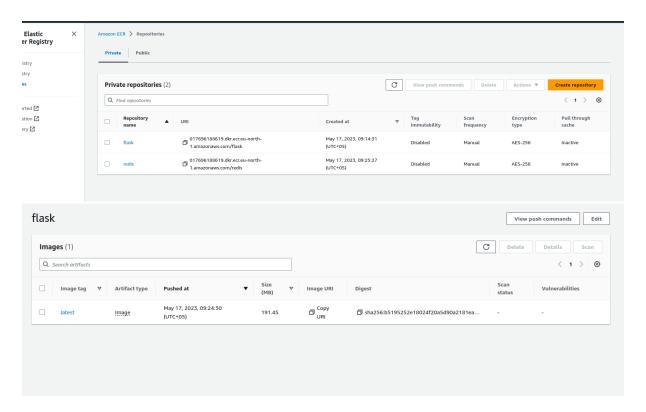


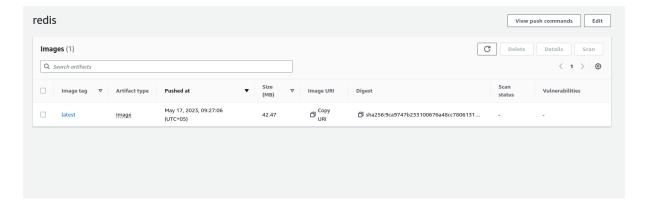
Copying the public ip





Pushing flask and redis images





Output the result and checking deployment of 5000 port number

