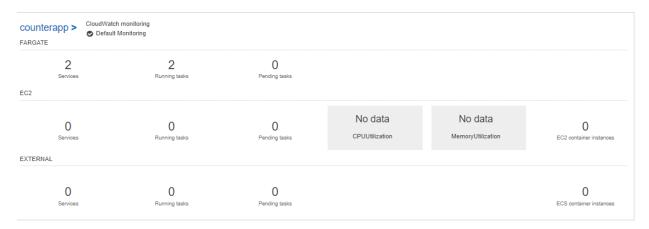
Assignment Submitted 4.5 by Ali Nasir and Sai fur Rehman

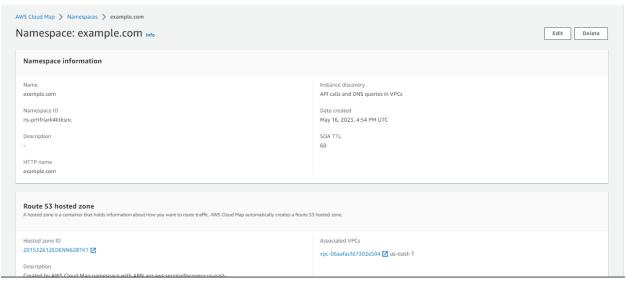
Problem Statement:

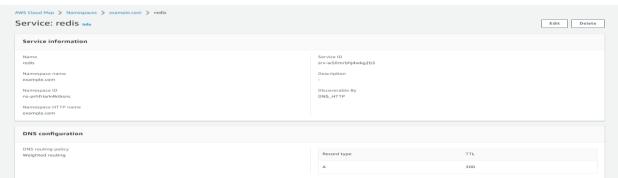
The assignmen is based o the instructions given by Sir Adil on slack

1. Create ECS Cluster



2. Setup Service Discovery

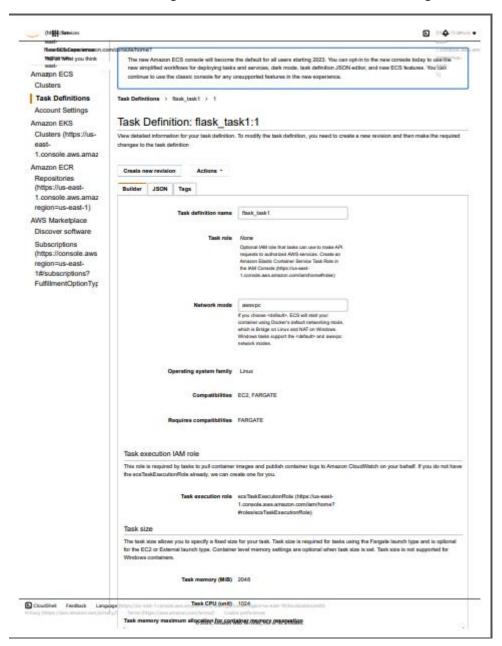




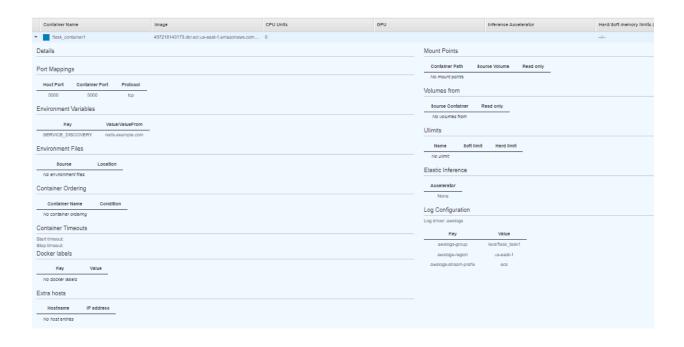
In flask app code read redis 'host' from an environment variable named 'SERVICE_DISCOVERY'. build flask app image and upload it in flask's repo.

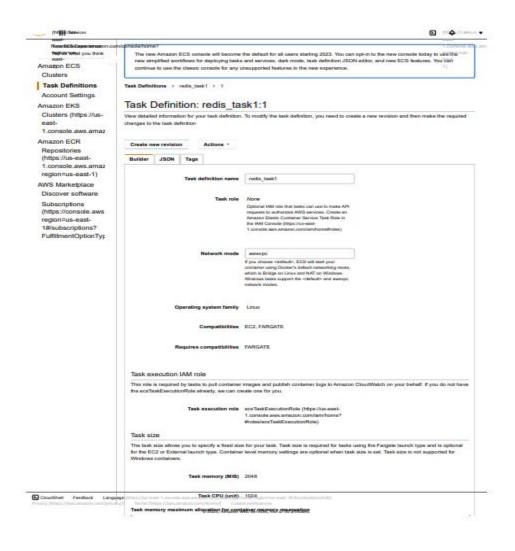
```
1 FROM python:3.7-alpine
2 WORKDIR /code
4 ENV FLASK_APP=app.py
6 ENV FLASK_RUN_HOST=0.0.0
7 #ENV SERVICE_DISCOVERY = 'redis'
8 RUN apk add --no-cache gcc musl-dev linux-headers
9 COPY requirements.txt requirements.txt
10
11 RUN pip install -r requirements.txt
12
12 EXPOSE 5000
14
15 COPY . .
16
17 CMD ["flask", "run"]
```

From the ECS Console, navigate to Task Definitions and create new Fargate task definition

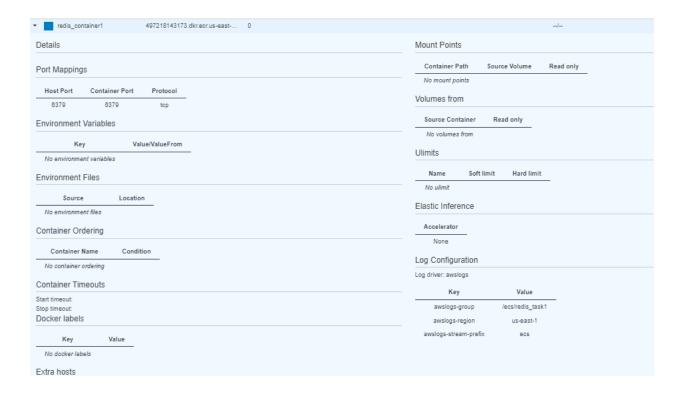




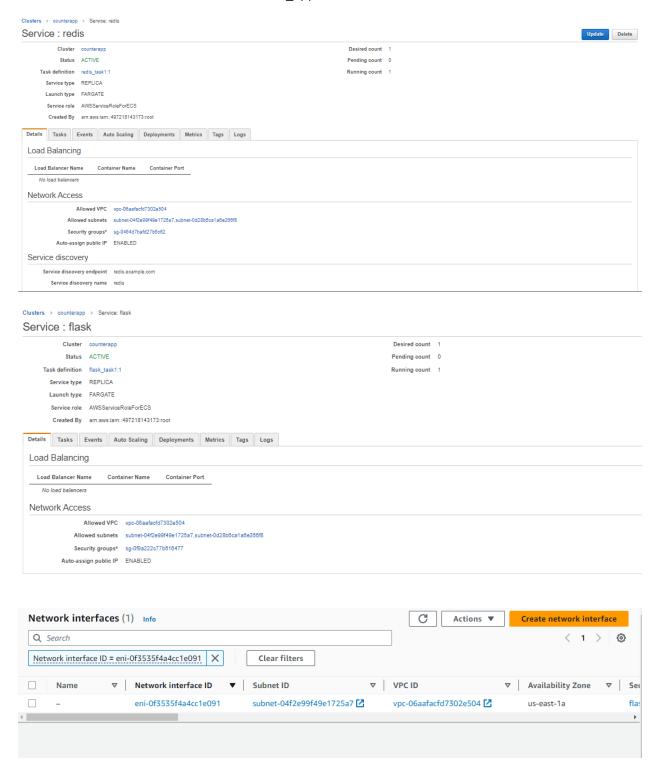




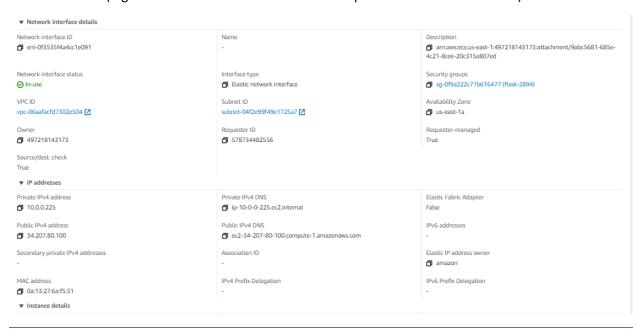




From cluster menu, create two services: flask_app and redis



Public IPv4 DNS for the ENI, copy it and paste it in the browser address bar, adding the port number 5000 in the end (e.g. ec2-35-158-125-37.eu-central-1.compute.amazonaws.com:5000)



Hello World! I have been seen 1 times.

Hello World! I have been seen 3 times.