Hi Ivo,

Here are the 2 solutions which I have created:

Project-1:

Github: https://github.com/sama863nz/Project1-k8s-minikube-kubectl

In this project,

1. I developed files on vs code editor:
   Index.html
   Script.js
   Styles.css
   Sam.jpg

2. I spun an EC2 Ubuntu t2-**micro** to generate to create docker image and deployed the image to dockerhub using:

   Dockerfile

3. I spun an EC2 Ubuntu t2-**medium** to generate to create a minikube Kubernetes cluster and used kubectl to deploy the following yml files:

   Deployment.yml

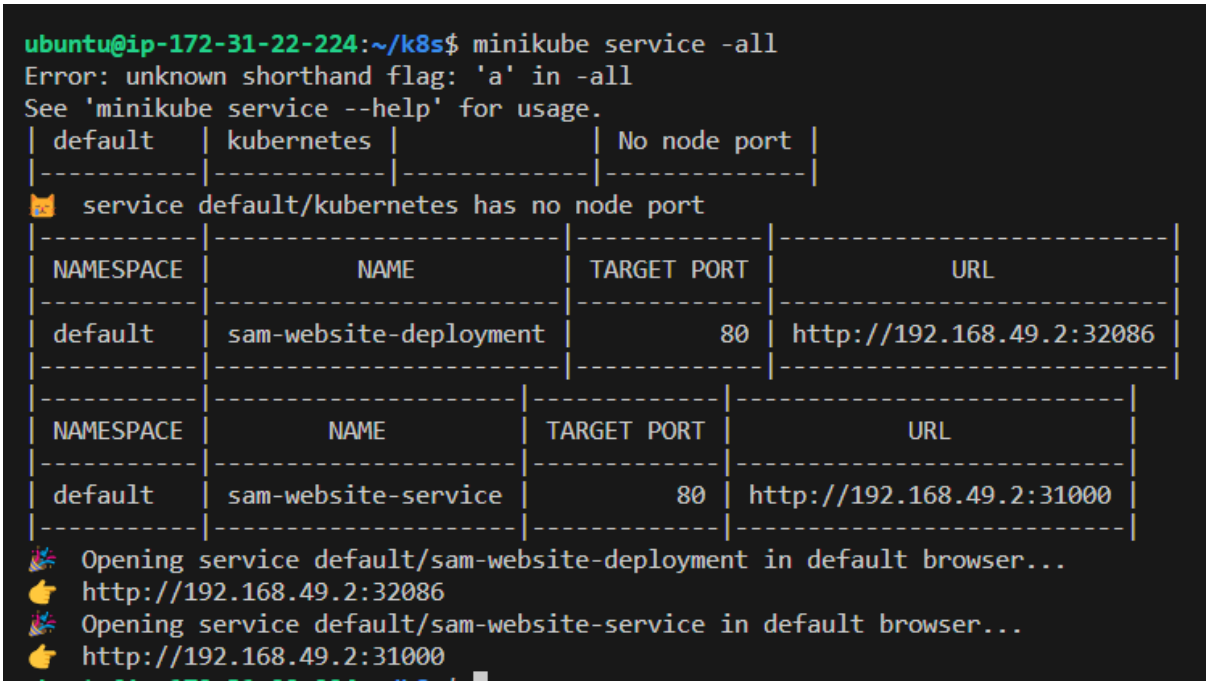
   Service.yml

   I have defined all steps clearly in **README.md**

Output:

Minikube service –all

Final output (in the Ubuntu terminal)



For you:

Testing:

1. EC2 Ubuntu docker server –

```
curl -L http://54.197.201.14
http://54.197.201.14
```

above should work in the terminal and on the browser respectively.

2. EC2 Ubuntu minikube Kubernetes cluster:

```
curl -L http://192.168.49.2:31000
minikube service --all
```

above should work in the terminal.
In the browser it may or may not work, depending on the port forwarding.

Project-2:

https://github.com/sama863nz/CI-CD

I architected and developed a complete CI-CD pipleline using
AWS CodeCommit
AWS CodeBuild
AWS CodeDeploy
AWS CodePipeline

I have deployed the code, files and README.md on both AWS CodeCommit and Github.

I have defined all steps clearly in **README.md**

For you:

Testing:

a) In the terminal

```
curl -L http://3.88.8.244
```

b) On browser

```
http://3.88.8.244
```

above should work in the terminal and on the browser respectively.

I am keeping my 3 EC2 Ubuntu instances running till you test the solutions and are okay with it. After which I will stop them. The reason why I am not stopping and restarting them is because by doing so their IPs will change.