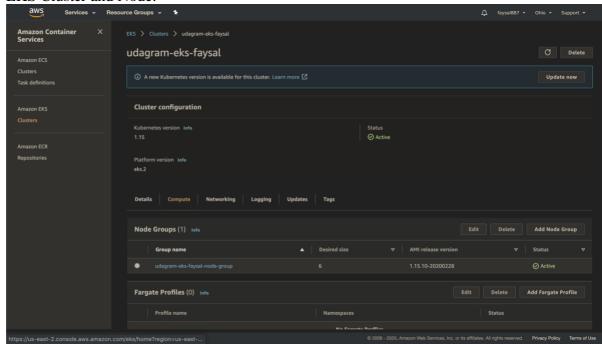
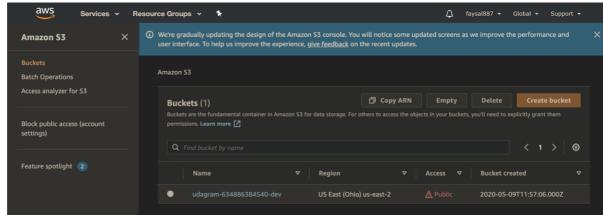
Steps For Deployment

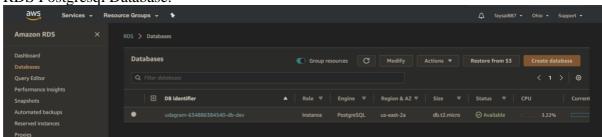
- 1. Fork repository from here: https://github.com/scheeles/cloud-developer/tree/06-ci/course-03/exercises
- 2. Forked repository present at: https://github.com/faysal887/course-03-project
- 3. Goto AWS console and create:
 - a. EKS Cluster and Node:



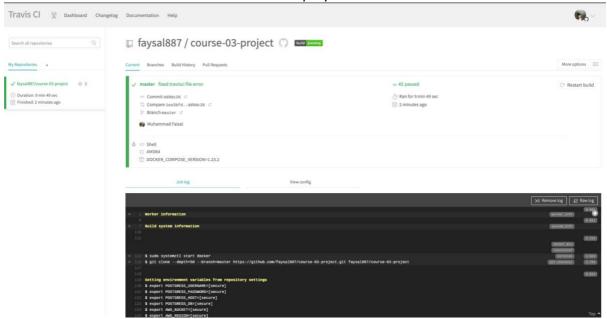
b. S3 Buckets:



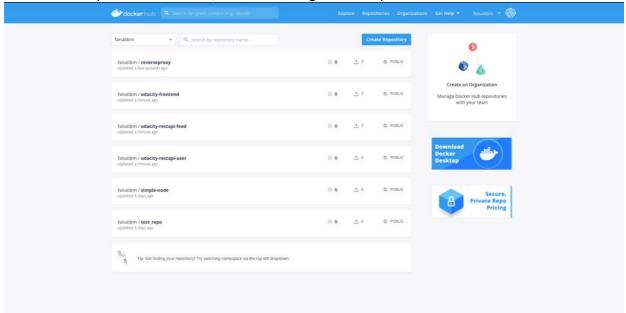
c. RDS Postgresql Database:



- 4. Set environment variables or set and execute set_env.sh.
- 5. Follow steps in repository README and run the project.
- 6. Push updated code to Github.
- 7. Connect TravisCI with Github and build the deployment:



8. When build is passed in TravisCI, the latest images will be push to DockerHub:



- 9. Deploy images to AWS Cluster using Kubectl following the steps from video and Github README:
 - a. Pods

```
[(base) Muhammads-MBP-5:k8s muhammadfaisal$ kubectl get pods
NAME
READY STATUS RESTARTS AGE
backend-feed-75f4f8c9d5-fstr7 1/1 Running 0 67m
backend-feed-75f4f8c9d5-l5r5z 1/1 Running 0 67m
backend-feed-75f4f8c9d5-sbfj5 1/1 Running 0 67m
backend-user-7f7dd64487-2w4wz 1/1 Running 0 112m
backend-user-7f7d4664487-g7qps 1/1 Running 0 112m
frontend-8b8bbd647-nt7wt 1/1 Running 0 112m
frontend-8b8bbd647-ttxqs 1/1 Running 0 112m
pod-example 1/1 Running 0 112m
reverseproxy-7595d49fc9-2z5k5 1/1 Running 0 111m
reverseproxy-7595d49fc9-q7zc7 1/1 Running 0 111m
```

b. Deployments

c. Services

```
[(base) Muhammads-MBP-5:k8s muhammadfaisal$ kubectl get service

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
backend-feed ClusterIP 10.100.216.210 <none> 8080/TCP 142m
backend-user ClusterIP 10.100.67.70 <none> 8080/TCP 113m
frontend ClusterIP 10.100.75.208 <none> 8100/TCP 113m
kubernetes ClusterIP 10.100.01 <none> 443/TCP 19h
reverseproxy ClusterIP 10.100.80.214 <none> 8080/TCP 113m
```

10. Run port-forwarding commands:

```
[(base) Muhammads-MBP-5:k8s muhammadfaisal$ kubectl port-forward pod/reverseproxy-7595d49fc9-2z5k5 8080:8080 Forwarding from 127.0.0.1:8080 -> 8080 Forwarding from [::1]:8080 -> 8080  

[]
```

```
[(base) Muhammads-MBP-5:k8s muhammadfaisal$ kubectl port-forward service/frontend 8100:8100
Forwarding from 127.0.0.1:8100 -> 80
Forwarding from [::1]:8100 -> 80
```

