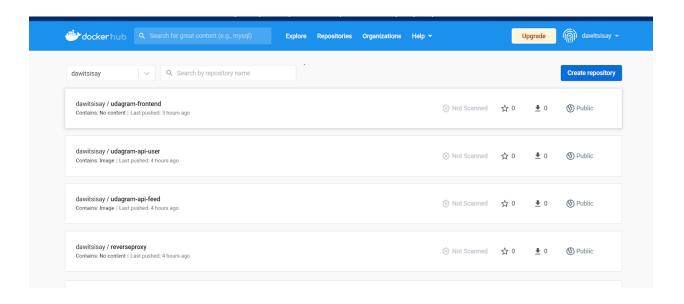
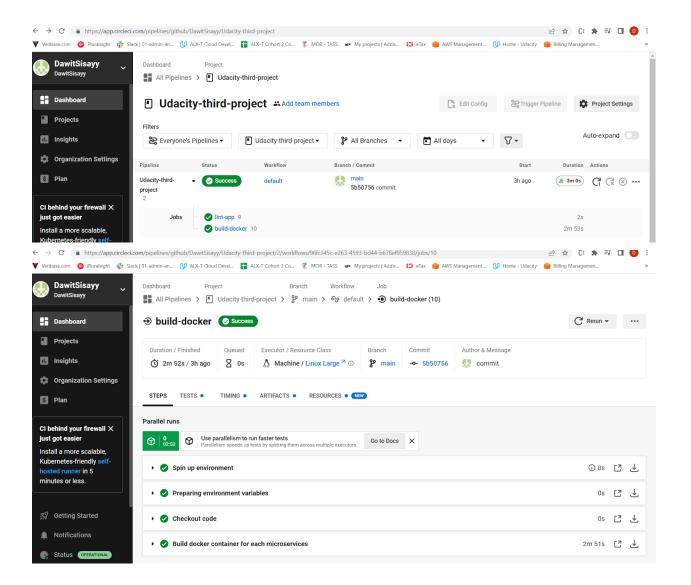
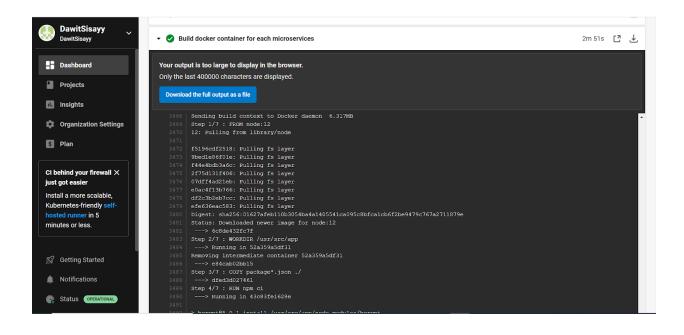
Screenshot of one of the backend API pod logs

Docker images in your repository in DockerHub



TravisCl build pipeline showing successful build jobs





Kubernetes kubectl get pods output

```
DawitS@DESKTOP-8J577JR MINGW64 /g/Udacity-third-project (main)
$ kubectl get pods
NAME
                                      READY
                                               STATUS
                                                           RESTARTS
                                                                         AGE
                                      1/1
backend-feed-848ccc558b-vxqzl
                                                                         78m
                                               Running
                                      1/1
1/1
1/1
1/1
1/1
                                               Running
backend-user-d6b585bcf-2zr4v
                                                            0
                                                                         77m
backend-user-d6b585bcf-nnf4c
                                                Running
                                                            0
                                                                         78m
frontend-5b7489dbcc-8zgpb
frontend-5b7489dbcc-jwqvg
reverseproxy-6c646bc87-mcmfm
                                                Running
                                                           0
                                                                         28m
                                                Running
                                                                         28m
                                      1/1
1/1
                                                Running
                                                            0
                                                                         77m
reverseproxy-6c646bc87-s419b
                                                Running
 DawitS@DESKTOP-8J577JR MINGW64 /g/Udacity-third-project (main)
```

Kubernetes kubectl describe services output

DawitS@DESKTOP-8J577JR MINGW64 /g/Udacity-third-project (main) \$ kubectl describe services backend-feed Name: Namespace: Labels: default

app=backend-feed Annotations: <none>

app=backend-feed Selector:

ClusterIP Type: IP Family Policy: SingleStack IP Families: IPv4 IP: 10.100.243.179 IPs: 10.100.243.179 8080 8080/TCP 8080/TCP 192.168.3.8:8080 Port:

TargetPort:

Endpoints: Session Affinity: None Events: <none>

backend-user Name: Namespace: Labels: default

app=backend-user

Annotations: <none>

Selector: app=backend-user

ClusterIP Type: IP Family Policy: SingleStack IP Families: IPv4 IP: 10.100.166.121

IPs: 10.100.166.121 8080 8080/TCP Port:

8080/TCP TargetPort:

192.168.20.71:8080,192.168.36.122:8080 Endpoints:

Session Affinity: None Events: <none>

Name: frontend default Namespace: Labels: app=frontend Annotations: <none> Selector: app=frontend

Type: ClusterIP IP Family Policy: IP Families: SingleStack

IPv4

10.100.206.140 10.100.206.140 IP: IPs: 8100 8100/TCP Port:

80/TCP TargetPort:

Endpoints: 192.168.46.153:80,192.168.7.254:80

Session Affinity: None Events: <none>

kubernetes Name: default Namespace:

component=apiserver Labels: provider=kubernetes

10.100.206.140 8100 8100/TCP Port:

80/TCP TargetPort:

Endpoints: Session Affinity: 192.168.46.153:80,192.168.7.254:80

None Events: <none>

kubernetes Name: Namespace: default

Labels: component=apiserver provider=kubernetes

Annotations: <none> Selector: <none> Type: ClusterIP IP Family Policy: IP Families: SingleStack IPv4 10.100.0.1 IP: IPs: 10.100.0.1 Port:

TargetPort:

https 443/TCP 443/TCP 192.168.101.109:443,192.168.76.213:443 Endpoints:

Session Affinity: None Events: <none>

publicfrontend Name: default app=frontend Namespace: Labels: Annotations: <none> Selector: app=frontend

LoadBalancer Type: IP Family Policy: IP Families: SingleStack IPv4 IP: IPs:

10.100.132.99 10.100.132.99 ad33eba7da5b9402b8176ddbc9510e2e-917423760.us-east-1.elb.amazonaws.com LoadBalancer Ingress:

<unset> 80/TCP Port: TargetPort: 80/TCP NodePort:

<unset> 30846/TCP
192.168.46.153:80,192.168.7.254:80 Endpoints:

Session Affinity: External Traffic Policy: None Cluster Events: <none>

publicreverseproxy Name:

default Namespace:

Labels: app=reverseproxy Annotations: <none>

Selector: app=reverseproxy LoadBalancer Type: IP Family Policy: IP Families: SingleStack

IPv4

IP: IPs:

10.100.151.119 10.100.151.119 add69abb0908d43d0be4f1c76fdccef3-371097149.us-east-1.elb.amazonaws.com LoadBalancer Ingress:

<unset> 8080/TCP Port:

```
publicfrontend
default
Namespace:
Labels:
                                 app=frontend
Annotations:
                                  <none>
                                 app=frontend
LoadBalancer
Selector:
Type:
IP Family Policy:
IP Families:
                                 SingleStack
                                  IPv4
                                 10.100.132.99
10.100.132.99
ad33eba7da5b9402b8176ddbc9510e2e-917423760.us-east-1.elb.amazonaws.com
IP:
IPs:
LoadBalancer Ingress:
Port:
                                  <unset> 80/TCP
TargetPort:
                                 80/TCP
                                 <unset> 30846/TCP
192.168.46.153:80,192.168.7.254:80
NodePort:
Endpoints:
Session Affinity:
External Traffic Policy:
                                 None
                                 Cluster
Events:
                                  <none>
Name:
                                 publicreverseproxy
Namespace:
                                 .
default
Labels:
                                 app=reverseproxy
Annotations:
                                  <none>
                                 app=reverseproxy
LoadBalancer
Selector:
Type:
IP Family Policy:
IP Families:
                                  SingleStack
                                  IPv4
                                 10.100.151.119
10.100.151.119
10.100.151.119
add69abb0908d43d0be4f1c76fdccef3-371097149.us-east-1.elb.amazonaws.com
IP:
IPs:
LoadBalancer Ingress:
                                 <unset> 8080/TCP
8080/TCP
Port:
TargetPort:
                                  <unset> 30095/TCP
192.168.46.92:8080,192.168.8.25:8080
NodePort:
Endpoints:
Session Affinity:
External Traffic Policy:
                                 Cluster
Events:
                                  <none>
                        reverseproxy
default
Name:
Namespace:
Labels:
                        app=reverseproxy
Annotations:
                         <none>
Selector:
                        app=reverseproxy
Type:
IP Family Policy:
IP Families:
                        ClusterIP
                        SingleStack
                        IPv4
                        10.100.72.139
IP:
                        10.100.72.139
8080 8080/TCP
8080/TCP
IPs:
Port:
TargetPort:
Endpoints:
Session Affinity:
                         192.168.46.92:8080,192.168.8.25:8080
                        None
Events:
                         <none>
 DawitS@DESKTOP-8J577JR MINGW64 /g/Udacity-third-project (main)
```

Kubernetes kubectl describe hpa output

```
DawitsBDESKTOP-815771R MINGW64 /g/Udacity-third-project (main)

$ kubectl describe hpa
Name:
Name:
Namespace:
Labels:
Annotations:
CreationTimestamp:
Sum, 30 Oct 2022 20:07:45 +0300
Deployment/backend-feed
(current / target )
Fesource cpu on pods (as a percentage of request):
Min replicas:
Max replicas:
Sum, 30 Oct 2022 20:07:45 +0300
Deployment/backend-feed
(current / target )
Sum, 30 Oct 2022 20:07:45 +0300
Deployment/backend-feed
(current / target )
Sum, 30 Oct 2022 20:07:45 +0300
Sum replicas:
Sum, 30 Oct 2022 20:07:45
```

• Kubernetes kubectl logs <your pod name> output

```
DawitzBOESKTUP-8357728 MINOR664 /g/Udacity-third-project (main)
$ kubectl logs backend-feed-848ccc558b-vxqzl

    udagram-apf82.0.0 dev /usr/src/spp
    t-snode-dev -respan --transpile-only ./src/server.ts

[INFO] 5:57:25 ts-node-dev ver. 1.1.8 (using ts-node ver. 9.1.1, typescript ver. 3.9.10)

Initialize database connected the status of the status
```