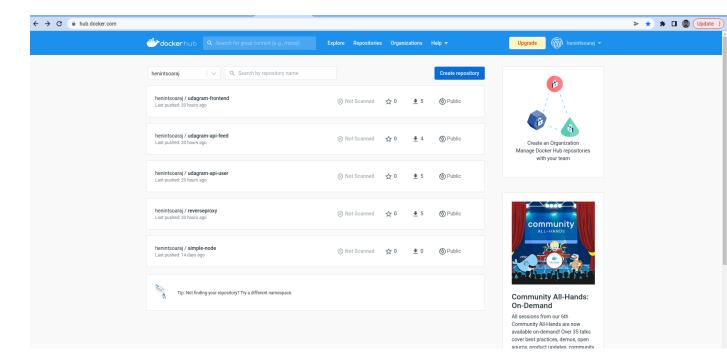
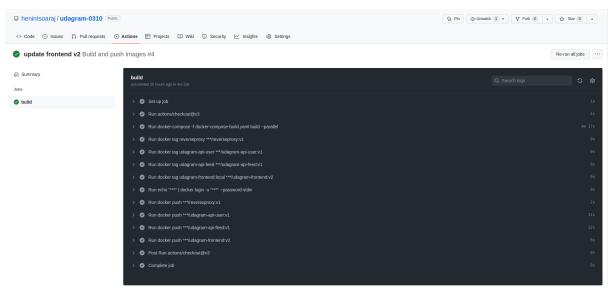
DockerHub



Action pipeline



kubectl get pods

```
tsoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main✓
READY
                                           STATUS
                                                     RESTARTS
                                                                 AGE
backend-feed-587c9c94f7-k9kj6 1/1
                                          Running 0
backend-feed-587c9c94f7-ndhh6 1/1
                                                                 18h
                                          Running 0
backend-user-6d69bbb85c-2k559 1/1
backend-user-6d69bbb85c-1vd4x 1/1
frontend-74fdd84b5c-jjgns 1/1
frontend-74fdd84b5c-s4c45 1/1
                                          Running 0
                                                                 18h
                                          Running 0
                                                                 18h
                                          Running 0
Running 0
                                          Running 0
                                                                 18h
                                                                 18h
reverseproxy-7f956c4b77-khpc8 1/1
                                                                 18h
                                           Running 0
                                                                 18h
  -tsoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main✓
```

kubectl describe services

```
-tsoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main/
  ± kubectl describe services
Name: backend-feed
Namespace: default
Labels:
Labels:
                     <none>
Annotations: <none>
Selector: app=backend-feed
Type: ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.10
                    10.100.155.198
Port: <unset> 8080/TCP
TargetPort: 8080/TCP
Endpoints: 2-2000.155.198
                    192.168.50.168:8080,192.168.57.67:8080
Session Affinity: None
Events:
                     <none>
                     backend-user
Name:
                   default
Namespace:
Name
Labels:
Annotations:
                    <none>
                   <none>
                   app=backend-user
                   ClusterIP
Type:
IP Family Policy: SingleStack
IP Families: IPv4
IP:
                    10.100.244.161
IPs:
                    10.100.244.161
                     <unset> 8080/TCP
Port:
TargetPort:
Endpoints:
                   8080/TCP
                    192.168.34.53:8080,192.168.59.25:8080
Session Affinity: None
Events:
                     <none>
```

Name: frontend
Namespace: default
Labels: <none>
Annotations: <none>

Selector: app=frontend
Type: ClusterIP
IP Family Policy: SingleStack

IP Families: IPv4

IP: 10.100.148.8 IPs: 10.100.148.8 Port: <unset> 8100/TCP

TargetPort: 80/TCP

Endpoints: 192.168.46.199:80,192.168.57.52:80

Session Affinity: None Events: <none>

Name: kubernetes Namespace: default

Labels: component=apiserver

provider=kubernetes

Annotations: <none>
Selector: <none>
Type: ClusterIP
IP Family Policy: SingleStack

IP Families: IPv4

IP: 10.100.0.1 IPs: 10.100.0.1 Port: https 443/TCP

TargetPort: 443/TCP

Endpoints: 192.168.69.169:443,192.168.97.80:443

Session Affinity: None Events: <none>

publicfrontend Name: default Namespace: Labels: app=frontend <none> Annotations: app=frontend LoadBalancer Selector: IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.100 14 12

10.100.14.126

IP: 10.100.14.120

IPs: 10.100.14.126

LoadBalancer Ingress: aaf24d5a6474c426e824823fdf73597e-1484208937.us-east-1.elb.amazonaws.com

Port: <unset> 80/TCP

TargetPort: 80/TCP

NodePort: <unset> 32688/TCP

Endpoints: 192.168.46.199:80,192.168.57.52:80
Session Affinity: None
External Traffic Policy: Cluster Events:

publicreverseproxy default

Namespace:

Labels:

app=reverseproxy
<none>
app=reverseproxy
LoadBalancer
SingleStack
IPv4 Selector: Type: IP Family Policy:
IP Families:
IP:

IP: 10.100.206.60
IPs: 10.100.206.60
LoadBalancer Ingress: ac8f7e6506e3e46b9bcf9c42b9412dd9-147226694.us-east-1.elb.amazonaws.com
Port: <unset> 8080/TCP
TargetPort: 8080/TCP
NodePort: <unset> 30420/TCP
Endpoints: 192.168.37.93.8988.406

Endpoints: 192.168.37.92:8080,192.168.50.126:8080
Session Affinity: None

External Traffic Policy: Cluster Events: <none>

Name: reverseproxy Namespace: default Labels: <none> Annotations: <none>

Selector: app=reverseproxy

Type: ClusterIP IP Family Policy: SingleStack

IP Families: IPv4

IP: 10.100.18.6 10.100.18.6 IPs:

Port: <unset> 8080/TCP

TargetPort: 8080/TCP

Endpoints: 192.168.37.92:8080,192.168.50.126:8080

Session Affinity: None Events: <none>

−tsoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main/

kubectl describe hpa

```
backend-user
Labels:
                                                                     <none>
                                                                      <none>
                                                                     Wed, 05 Oct 2022 23:35:02 +0300
Reference:
                                                                     Deployment/backend-user
Metrics:
  resource cpu on pods (as a percentage of request):
                                                                     0% (0) / 50%
Max replicas
Deployment pods:
                                                                     3 current / 3 desired
Conditions:
  AbleToScale True ScaleDownStabilized recent recommendations were higher than current one, applying the highest recent recommendation

ScalingActive True ValidMetricFound the HPA was able to successfully calculate a replica count from cpu resource utilization (percentage of request)

ScalingLimited False DesiredWithinRange the desired count is within the acceptable range
Events:
                       ch in ~/cd0354-monolith-to-microservices-project on main»
```

kubectl logs <my_pod>

```
Ctsoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main/

t kubectl logs backend-user-6d69bbb85c-2k559

> udagram-api@2.0.0 dev /usr/src/app
> ts-node-dev --respawn --transpile-only ./src/server.ts

[INFO] 23:24:12 ts-node-dev ver. 1.1.8 (using ts-node ver. 9.1.1, typescript ver. 3.9.10)
Initialize database connection...

Executing (default): CREATE TABLE IF NOT EXISTS "User" ("email" VARCHAR(255) , "passwordHash" VARCHAR(255), "createdAt" TIMESTAMP WITH TIME ZONE, "updatedAt" TIMESTAMP WITH TIME ZONE, RIMARY KEY ("email"));

Executing (default): SELECT i.relname AS name, ix.indisprimary AS primary, ix.indisunique AS unique, ix.indkey AS indkey, array_agg(a.attnum) as column_indexes, array_agg(a.attname) A column_names, pg_get_indexdef(ix.indexrelid) AS definition FROM pg_class t, pg_class i, pg_index ix, pg_attribute a WHERE t.oid = ix.indrelid AND i.oid = ix.indexrelid AND a.attrelid t.oid AND t.relkind = 'r' and t.relname = 'User' GROUP BY i.relname, ix.indexrelid, ix.indisprimary, ix.indisunique, ix.indkey ORDER BY i.relname;

press CRRI-t to stop server

_tsoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main/
```

```
Cisoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main/
t kubectl logs frontend-74fdd84b5c-jjgns
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Louking for shell scripts in /docker-entrypoint.d//
/docker-entrypoint.sh: Louking in /docker-entrypoint.d//
/docker-entrypoint.sh: Launching /docker-entrypoint.d/louking.
//docker-entrypoint.sh: launching /docker-entrypoint.d//20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
//docker-entrypoint.sh: Configuration complete; ready for start up
//docker-entrypoint.sh: Configuration complete; ready for start up
//docker-entrypoint.sh: In a configuration complete; ready for start up
//docker-entrypoint.sh: In a configuration complete; ready for start up
//docker-entrypoint.sh: In a configuration complete; ready for start up
//docker-entrypoint.sh: In a configuration complete; ready for start up
//docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
//docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-t
```

```
tsoutsou at myarch in ~/cd0354-monolith-to-microservices-project on main/
± kubectl logs reverseproxy-7f956c4b77-65vgx | head -20
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2022/10/04 23:24:24 [notice] 1#1: using the "epoll" event method
2022/10/04 23:24:24 [notice] 1#1: using the "epoll" event method
2022/10/04 23:24:24 [notice] 1#1: built by gcc 11.2.1 20220219 (Alpine 11.2.1_git20220219)
2022/10/04 23:24:24 [notice] 1#1: Start worker processes
2022/10/04 23:24:24 [notice] 1#1: start worker processes
2022/10/04 23:24:24 [notice] 1#1: start worker processes
```