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## TRAVIS CI PIPELINE

app.travis-ci.com/github/Tinsae8/cd0354-monolith-to-microservices-project

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530 chunk {status-tap-32c72c43-js} status-tap-32c72c43-js.js, status-tap-32c72c43-js.js.map (status-tap-32c72c43-js) 1.83 kB [rendered]

531 chunk {styles} styles.js, styles.js.map (styles) 100 kB [initial] [rendered]

532 chunk {swipe-back-35ad8e37-js} swipe-back-35ad8e37-js.js, swipe-back-35ad8e37-js.js.map (swipe-back-35ad8e37-js) 2.67 kB [rendered]

533 chunk {swiper-bundle-8bab85e6-js} swiper-bundle-8bab85e6-js.js, swiper-bundle-8bab85e6-js.js.map (swiper-bundle-8bab85e6-js) 213 kB [rendered]

534 chunk {tap-click-ca00ce7f-js} tap-click-ca00ce7f-js.js, tap-click-ca00ce7f-js.js.map (tap-click-ca00ce7f-js) 6.32 kB [rendered]

535 chunk {vendor} vendor.js, vendor.js.map (vendor) 4.66 MB [initial] [rendered]

536 Date: 2022-07-06T15:25:17.006Z - Hash: 943dfc050a27357a3a49 - Time: 11255ms

591 Removing intermediate container 9e887c425f3a

592 ---> efa3127633e

593 Step 7/8 : FROM nginx:alpine

594 ---> f246e6f9d0b2

595 Step 8/8 : COPY --from=ionic /usr/src/app/www /usr/share/nginx/html

596 ---> 18ddc5d3a09c

597 Successfully built 18ddc5d3a09c

598 Successfully tagged udagram-frontend:latest

599 The command "docker build -t udagram-frontend ./udagram-frontend" exited with 0.

600 \$ docker tag reverseproxy [secure]/reverseproxy:v3

601 The command "docker tag reverseproxy [secure]/reverseproxy:v3" exited with 0.

602 \$ docker tag udagram-api-feed [secure]/udagram-api-feed:v3

603 The command "docker tag udagram-api-feed [secure]/udagram-api-feed:v3" exited with 0.

604 \$ docker tag udagram-frontend [secure]/udagram-frontend:v3

605 The command "docker tag udagram-frontend [secure]/udagram-frontend:v3" exited with 0.

606 \$ docker tag udagram-api-user [secure]/udagram-api-user:v3

607 The command "docker tag udagram-api-user [secure]/udagram-api-user:v3" exited with 0.

608 store build cache

610

611 \$ echo "\$DOCKER\_PASSWORD" | docker login -u "\$DOCKER\_USERNAME" --password-stdin

617 \$ docker push [secure]/reverseproxy:v3

636 \$ docker push [secure]/udagram-api-feed:v3

673 \$ docker push [secure]/udagram-api-user:v3

710 \$ docker push [secure]/udagram-frontend:v3

729

730 Done. Your build exited with 0.

cache 2

after\_success:1 0.39s


after\_success:2 3.95s

after\_success:3 20.71s

after\_success:4 4.56s

after\_success:5 4.84s

Top

 Travis CI

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ENG 6:31 PM

- Kubernetes `kubectl get pods` output

```
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files> kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
udagram-api-feed-6bdffd69b4-56xx8   1/1     Running   0           5m3s
udagram-api-feed-6bdffd69b4-f4vbn    1/1     Terminating 0           47m
udagram-api-feed-6bdffd69b4-gqdhw    1/1     Running   0           3m37s
udagram-api-feed-6bdffd69b4-hbcww    1/1     Running   0           5m3s
udagram-api-feed-6bdffd69b4-kmgkh    1/1     Running   0           3m37s
udagram-api-feed-6bdffd69b4-kq24l    1/1     Terminating 0           44m
udagram-api-feed-6bdffd69b4-mrlgj    1/1     Running   0           6m57s
udagram-api-feed-6bdffd69b4-vdlbl    1/1     Terminating 0           45m
udagram-api-user-846f7dfdbf-pd2h5    1/1     Terminating 0           47m
udagram-api-user-846f7dfdbf-q75tb    1/1     Running   0           6m56s
udagram-api-user-846f7dfdbf-s4fvw    1/1     Running   0           5m3s
udagram-api-user-846f7dfdbf-z8zqm    1/1     Terminating 0           47m
udagram-frontend-54bf77549b-5jkkj    1/1     Terminating 0           47m
udagram-frontend-54bf77549b-h7hgl    1/1     Terminating 0           47m
udagram-frontend-848965bcf7-72j7p    1/1     Running   0           4m57s
udagram-frontend-848965bcf7-tdq8k    1/1     Running   0           6m51s
udagram-reverseproxy-55447d786-4gqs9 1/1     Running   2 (4m55s ago) 5m3s
udagram-reverseproxy-55447d786-8sncl 1/1     Terminating 0           46m
udagram-reverseproxy-55447d786-dgpxl 1/1     Running   2 (4m56s ago) 6m56s
udagram-reverseproxy-55447d786-qf9xf 1/1     Terminating 0           46m
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files>
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files> kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
udagram-api-feed-6bdffd69b4-f4vbn    1/1     Running   0           20m
udagram-api-feed-6bdffd69b4-kq24l    1/1     Running   0           18m
udagram-api-feed-6bdffd69b4-vdlbl    1/1     Running   0           18m
udagram-api-user-846f7dfdbf-pd2h5    1/1     Running   0           20m
udagram-api-user-846f7dfdbf-z8zqm    1/1     Running   0           20m
udagram-frontend-54bf77549b-5jkkj    1/1     Running   0           20m
udagram-frontend-54bf77549b-h7hgl    1/1     Running   0           20m
udagram-reverseproxy-55447d786-8sncl 1/1     Running   0           19m
udagram-reverseproxy-55447d786-qf9xf 1/1     Running   0           19m
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files>
```

- Kubernetes `kubectl describe services` output

```
Administrator: Windows PowerShell
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files> kubectl describe services

Name: frontend-ingress
Namespace: default
Labels: app=udagram-frontend
Annotations: <none>
Selector: app=udagram-frontend
Type: LoadBalancer
IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.100.161.96
IPs: 10.100.161.96
LoadBalancer Ingress: abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com
Port: <unset> 80/TCP
TargetPort: 80/TCP
NodePort: <unset> 31083/TCP
Endpoints: 192.168.23.188:80,192.168.26.113:80
Session Affinity: None
External Traffic Policy: Cluster
Events:
  Type    Reason              Age             From              Message
  ----    -
  Normal  EnsuringLoadBalancer 47m             service-controller Ensuring load balancer
  Normal  EnsuredLoadBalancer 47m             service-controller Ensured load balancer
  Warning UnAvailableLoadBalancer 8m56s          service-controller There are no available nodes for LoadBalancer
  Normal  UpdatedLoadBalancer 5m7s (x3 over 9m1s) service-controller Updated load balancer with new hosts

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: 192.168.122.63:443,192.168.88.230:443
Session Affinity: None
Events: <none>

Name: reversproxy-ingress
Namespace: default
Labels: service=udagram-reverseproxy
Annotations: <none>
Selector: service=udagram-reverseproxy
Type: LoadBalancer
IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.100.39.85
IPs: 10.100.39.85
LoadBalancer Ingress: a6ce7ed9e199346bc9d6d31d82b51448-2024299834.us-east-1.elb.amazonaws.com
Port: <unset> 8080/TCP
TargetPort: 8080/TCP
NodePort: <unset> 30823/TCP
Endpoints: 192.168.0.193:8080,192.168.27.250:8080
```

```
Session Affinity:      None
External Traffic Policy: Cluster
Events:
  Type      Reason              Age             From              Message
  ----      -
  Normal    EnsuringLoadBalancer      47m             service-controller Ensuring load balancer
  Normal    EnsuredLoadBalancer       47m             service-controller Ensured load balancer
  Warning    UnAvailableLoadBalancer   8m57s           service-controller There are no available nodes for LoadBalancer
  Normal    UpdatedLoadBalancer       5m9s (x3 over 9m3s) service-controller Updated load balancer with new hosts
```

```
Name:      udagram-api-feed
Namespace: default
Labels:    <none>
Annotations: <none>
Selector:  app=udagram-api-feed
Type:      ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
IP:        10.100.185.190
IPs:       10.100.185.190
Port:      <unset> 8080/TCP
TargetPort: 8080/TCP
Endpoints: 192.168.0.110:8080,192.168.1.50:8080,192.168.23.163:8080 + 2 more...
Session Affinity: None
Events:    <none>
```

```
Name:      udagram-api-user
Namespace: default
Labels:    <none>
Annotations: <none>
Selector:  app=udagram-api-user
Type:      ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
IP:        10.100.84.125
IPs:       10.100.84.125
Port:      <unset> 8080/TCP
TargetPort: 8080/TCP
Endpoints: 192.168.13.61:8080,192.168.17.200:8080
Session Affinity: None
Events:    <none>
```

```
Name:      udagram-frontend
Namespace: default
Labels:    run=udagram-frontend
Annotations: <none>
Selector:  run=udagram-frontend
Type:      ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
IP:        10.100.189.48
IPs:       10.100.189.48
Port:      <unset> 80/TCP
TargetPort: 80/TCP
Endpoints: <none>
Session Affinity: None
Events:    <none>
```

```

Name:          udagram-reverseproxy
Namespace:     default
Labels:        <none>
Annotations:   <none>
Selector:      service=udagram-reverseproxy
Type:          ClusterIP
IP Family Policy: SingleStack
IP Families:   IPv4
IP:            10.100.237.24
IPs:           10.100.237.24
Port:          8080 8080/TCP
TargetPort:    8080/TCP
Endpoints:     192.168.0.193:8080,192.168.27.250:8080
Session Affinity: None
Events:        <none>
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files>

```

- Kubernetes `kubectl describe hpa` output

```

PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files> kubectl describe hpa
Name:          udagram-api-feed
Namespace:     default
Labels:        <none>
Annotations:   <none>
CreationTimestamp: Fri, 08 Jul 2022 21:35:04 +0300
Reference:      Deployment/udagram-api-feed
Metrics:        ( current / target )
  resource cpu on pods (as a percentage of request): 0% (0) / 50%
Min replicas:   3
Max replicas:   5
Deployment pods: 3 current / 3 desired
Conditions:
  Type           Status  Reason                        Message
  ----           -
  AbleToScale    True    ReadyForNewScale             recommended size matches current size
  ScalingActive  True    ValidMetricFound             the HPA was able to successfully calculate a replica count from cpu resource utilization (percentage of request)
  ScalingLimited True    TooFewReplicas               the desired replica count is less than the minimum replica count
Events:
  Type           Reason              Age             From                         Message
  ----           -
  Normal         SuccessfulRescale    50m             horizontal-pod-autoscaler     New size: 3; reason: Current number of replicas below Spec.MinReplicas
  Normal         SuccessfulRescale    49m             horizontal-pod-autoscaler     New size: 5; reason: cpu resource utilization (percentage of request) above target
  Warning        FailedComputeMetricsReplicas 9m47s (x12 over 12m) horizontal-pod-autoscaler     invalid metrics (1 invalid out of 1), first error is: failed to get cpu utilization: unable to get metrics for resource cpu: unable to fetch metrics from resource metrics API: the server is currently unable to handle the request (get pods.metrics.k8s.io)
  Warning        FailedGetResourceMetric 9m32s (x13 over 12m) horizontal-pod-autoscaler     failed to get cpu utilization: unable to get metrics for resource cpu: unable to fetch metrics from resource metrics API: the server is currently unable to handle the request (get pods.metrics.k8s.io)
  Normal         SuccessfulRescale    76s (x2 over 43m) horizontal-pod-autoscaler     New size: 3; reason: All metrics below target
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files>

```

- Kubernetes `kubectl logs <your pod name>` output

```
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files> kubectl logs udagram-frontend-848965bcf7-72j7p
/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
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: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2022/07/08 19:16:00 [notice] 1#1: using the "epoll" event method
2022/07/08 19:16:00 [notice] 1#1: nginx/1.23.0
2022/07/08 19:16:00 [notice] 1#1: built by gcc 11.2.1 20220219 (Alpine 11.2.1_git20220219)
2022/07/08 19:16:00 [notice] 1#1: OS: Linux 5.4.196-108.356.amzn2.x86_64
2022/07/08 19:16:00 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2022/07/08 19:16:00 [notice] 1#1: start worker processes
2022/07/08 19:16:00 [notice] 1#1: start worker process 32
2022/07/08 19:16:00 [notice] 1#1: start worker process 33
192.168.8.142 - - [08/Jul/2022:19:17:17 +0000] "GET / HTTP/1.1" 200 952 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.8.142 - - [08/Jul/2022:19:17:18 +0000] "GET /runtime.js HTTP/1.1" 200 10003 "http://abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.8.142 - - [08/Jul/2022:19:17:18 +0000] "GET /polyfills.js HTTP/1.1" 200 323350 "http://abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.8.142 - - [08/Jul/2022:19:17:18 +0000] "GET /main.js HTTP/1.1" 200 84614 "http://abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.8.142 - - [08/Jul/2022:19:17:19 +0000] "GET /vendor.js HTTP/1.1" 200 4881602 "http://abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.53.19 - - [08/Jul/2022:19:17:58 +0000] "GET /8.js HTTP/1.1" 200 70736 "http://abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.53.19 - - [08/Jul/2022:19:17:59 +0000] "GET /swipe-back-35ad8e37-js.js HTTP/1.1" 200 2739 "http://abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.53.19 - - [08/Jul/2022:19:18:08 +0000] "GET /focus-visible-70713a0c-js.js HTTP/1.1" 200 2247 "http://abbe6daaf4a0f415fa4f7f2446b89068-1033060913.us-east-1.elb.amazonaws.com/home" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36" "-"
192.168.8.142 - - [08/Jul/2022:19:25:15 +0000] "GET / HTTP/1.1" 200 952 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_6) AppleWebKit/601.7.7 (KHTML, like Gecko) Version/9.1.2 Safari/601.7.7" "-"
PS C:\Users\TinsaePC\Desktop\Udacity-Cloud-developer-nano-degree\configuration files>
```