TP2 - EVIDÊNCIAS - K8s

Arquivos:

O seu TP deve estar dentro do namespace chamado: tp2.

Criacão dos PODS

```
λ Cmder                                                  —   □   ×

Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
---

C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl apply -f devcalc-deployment.yaml
deployment.apps/devcalc-api-deployment created

C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl get all -n tp2
NAME                                        READY   STATUS    RESTARTS       AGE
pod/devcalc-api-deployment-744bd898d-bsg2j  0/1     Running   1 (85s ago)    3m11s
pod/devcalc-api-deployment-744bd898d-pv9rs  0/1     Running   1 (85s ago)    3m11s
pod/nginx-busybox-pod                       2/2     Running   0              26m

NAME                                     READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/devcalc-api-deployment   0/2     2            0           3m13s

NAME                                               DESIRED   CURRENT   READY   AGE
replicaset.apps/devcalc-api-deployment-744bd898d   2         2         0       3m13s

C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ |
```

Portas

```
C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl exec nginx-busybox-pod -n tp2 -- wget -O /dev/stdout nginx-internal-service:8081
Defaulted container "nginx-container" out of: nginx-container, busybox-container
Connecting to nginx-internal-service:8081 (10.96.38.58:8081)
<!DOCTYPE html>
saving to '/dev/stdout'
<html>
<head>
stdout               100% |********************************|   615  0:00:00 ETA
<title>Welcome to nginx!</title>
'/dev/stdout' saved
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
```

Escalonamento Inicial OK
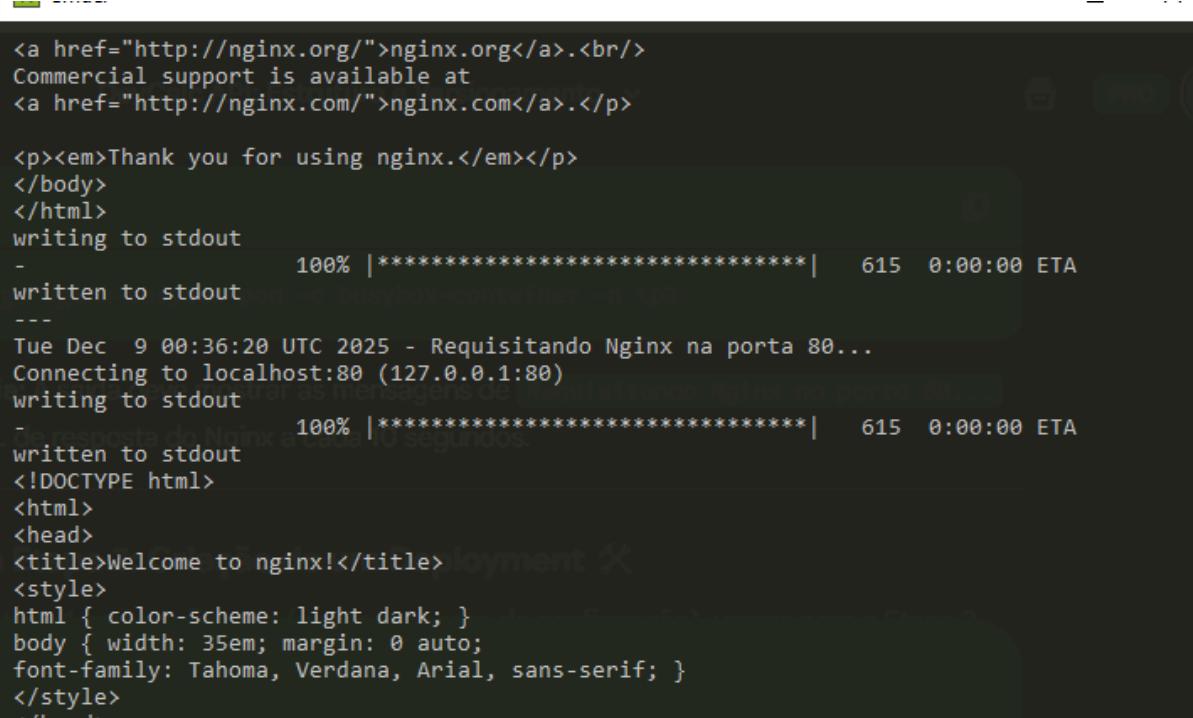
```
C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl get deploy devcalc-api-deployment -n tp2
NAME                     READY   UP-TO-DATE   AVAILABLE   AGE
devcalc-api-deployment   2/2     2            2           18m

C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ |
```

Escalonamento Final OK

```
C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl get deploy devcalc-api-deployment -n tp2
NAME                     READY   UP-TO-DATE   AVAILABLE   AGE
devcalc-api-deployment   3/3     3            3           20m
```

Service A (ClusterIP)
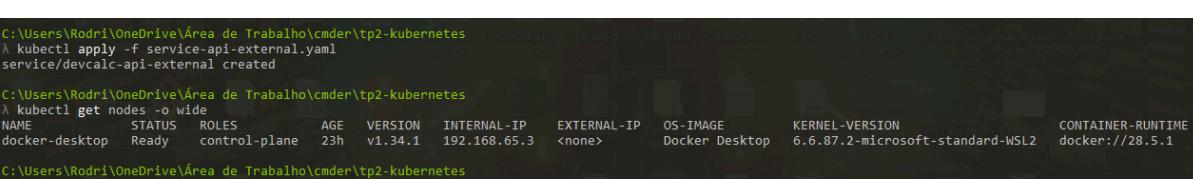
```
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
writing to stdout
-                      100% |*******************************|   615  0:00:00 ETA
written to stdout
---
Tue Dec  9 00:36:20 UTC 2025 - Requisitando Nginx na porta 80...
Connecting to localhost:80 (127.0.0.1:80)
writing to stdout
-                      100% |*******************************|   615  0:00:00 ETA
written to stdout
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
```
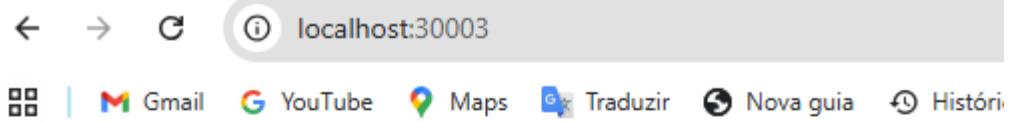
```
C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl get nodes -o wide
NAME              STATUS    ROLES             AGE   VERSION   INTERNAL-IP      EXTERNAL-IP   O
S-IMAGE           KERNEL-VERSION                    CONTAINER-RUNTIME
docker-desktop    Ready     control-plane     23h   v1.34.1   192.168.65.3     <none>        D
ocker Desktop     6.6.87.2-microsoft-standard-WSL2   docker://28.5.1
```

```
C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl apply -f service-api-external.yaml
service/devcalc-api-external created

C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
λ kubectl get nodes -o wide
NAME            STATUS    ROLES           AGE   VERSION   INTERNAL-IP    EXTERNAL-IP   OS-IMAGE         KERNEL-VERSION                    CONTAINER-RUNTIME
docker-desktop  Ready     control-plane   23h   v1.34.1   192.168.65.3   <none>        Docker Desktop   6.6.87.2-microsoft-standard-WSL2  docker://28.5.1

C:\Users\Rodri\OneDrive\Área de Trabalho\cmder\tp2-kubernetes
```

Not Found