

Mellorando a nosa aplicación.

Punto A:

```
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl apply -f pod_mellorado.yaml
pod/pod-practica-2 created
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
pod-practica-2      0/1     Running   0           16s
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
pod-practica-2      1/1     Running   0           20s
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl exec -ti pod-practica-2 -- bash
root@pod-practica-2:/home/node# curl localhost/servidor
{"version":"1.0.0","hostname":"pod-practica-2","uptime":18}root@pod-practica-2:/home/node# exit
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$
```

```
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl describe pod pod-practica-2
Name:                pod-practica-2
Namespace:            default
Priority:              0
Node:                 prefapp/192.168.83.134
Start Time:           Wed, 10 Feb 2021 17:57:08 +0100
Labels:               <none>
Annotations:          cnf.projectcalico.org/podIP: 10.1.87.1/32
                     cnf.projectcalico.org/podIPs: 10.1.87.1/32
Status:               Running
IP:                   10.1.87.1
```

```
Events:
  Type     Reason      Age   From          Message
  ----     -
Normal    Scheduled   89s   default-scheduler   Successfully assigned default/pod-practica-2 to prefapp
Normal    Pulling     88s   kubelet          Pulling image "frmadem/catro-eixos-k8s-ej1:v1"
Normal    Pulled      87s   kubelet          Successfully pulled image "frmadem/catro-eixos-k8s-ej1:v1" in 1.430792502s
Normal    Created     87s   kubelet          Created container container-web
Normal    Started     87s   kubelet          Started container container-web
```

Punto B:

```
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl delete -f pod_mellorado.yaml
pod "pod-practica-2" deleted
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl apply -f pod_mellorado_volume.yaml
pod/pod-practica-2 created
rcastrelo@prefapp:~/prefapp/practicas/kubernetes/3/practica/entrega$ microk8s.kubectl port-forward pod-practica-2 --address=0.0.0.0 8888:80
Forwarding from 0.0.0.0:8888 -> 80
Handling connection for 8888
Handling connection for 8888
```

```
rcastrelo@prefapp:/tmp/k8s_logs$ tail -10f k8s_access.log
[pod-practica-2] GET /servidor 200 60 - 0.150 ms
[pod-practica-2] GET / 200 909 - 0.786 ms
[pod-practica-2] GET / 200 909 - 0.566 ms
[pod-practica-2] GET /servidor 200 60 - 0.146 ms
[pod-practica-2] GET /servidor 200 60 - 0.169 ms
[pod-practica-2] GET /servidor 200 60 - 0.138 ms
[pod-practica-2] GET /servidor 200 60 - 0.161 ms
[pod-practica-2] GET /servidor 200 60 - 0.150 ms
[pod-practica-2] GET /servidor 200 60 - 0.161 ms
[pod-practica-2] GET /servidor 200 60 - 0.157 ms
```

Punto C:

```
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll apply -f config_practica_2.yaml
configmap/config-practica-2 created
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll apply -f despregue_practica_2.yaml
deployment.apps/despregue-practica-2 created
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll apply -f servizo_practica_2.yaml
service/servizo-practica-02 created
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll get pods
NAME                                READY   STATUS    RESTARTS   AGE
despregue-practica-2-6bf788874f-mq984 0/1     Running   0           16s
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll get pods
NAME                                READY   STATUS    RESTARTS   AGE
despregue-practica-2-6bf788874f-mq984 1/1     Running   0           20s
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll scale deployment --replicas=5 despregue-practica-2
deployment.apps/despregue-practica-2 scaled
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll get pods
NAME                                READY   STATUS    RESTARTS   AGE
despregue-practica-2-6bf788874f-mq984 1/1     Running   0           57s
despregue-practica-2-6bf788874f-tw4j2 1/1     Running   0           28s
despregue-practica-2-6bf788874f-554f8 1/1     Running   0           28s
despregue-practica-2-6bf788874f-scsth 1/1     Running   0           28s
despregue-practica-2-6bf788874f-w7t2c 1/1     Running   0           28s
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll delete services,deploy,configmaps -l app=pod-practica-2
,practica=modulo_3_1
service "servizo-practica-02" deleted
deployment.apps "despregue-practica-2" deleted
configmap "config-practica-2" deleted
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$ microk8s.kubectll get pods
NAME                                READY   STATUS    RESTARTS   AGE
despregue-practica-2-6bf788874f-w7t2c 0/1     Terminating 0           76s
despregue-practica-2-6bf788874f-scsth 0/1     Terminating 0           76s
despregue-practica-2-6bf788874f-554f8 0/1     Terminating 0           76s
despregue-practica-2-6bf788874f-tw4j2 0/1     Terminating 0           76s
despregue-practica-2-6bf788874f-mq984 0/1     Terminating 0           105s
rcastrelo@prefapp:~/prefapp/practicass/kubernetes/3/practica/entrega$
```

```
rcastrelo@prefapp: /tmp/k8s_logs$ tail -10f k8s_access.log
[despregue-practica-2-6bf788874f-tw4j2] GET /servidor 200 82 - 0.216 ms
[despregue-practica-2-6bf788874f-mq984] GET /servidor 200 82 - 0.260 ms
[despregue-practica-2-6bf788874f-w7t2c] GET /servidor 200 82 - 0.250 ms
[despregue-practica-2-6bf788874f-mq984] GET /servidor 200 82 - 0.175 ms
[despregue-practica-2-6bf788874f-scsth] GET /servidor 200 82 - 1.867 ms
[despregue-practica-2-6bf788874f-554f8] GET /servidor 200 82 - 0.160 ms
[despregue-practica-2-6bf788874f-554f8] GET /servidor 200 82 - 0.147 ms
[despregue-practica-2-6bf788874f-w7t2c] GET /servidor 200 82 - 1.893 ms
[despregue-practica-2-6bf788874f-scsth] GET /servidor 200 82 - 0.203 ms
[despregue-practica-2-6bf788874f-tw4j2] GET /servidor 200 82 - 0.142 ms
[despregue-practica-2-6bf788874f-w7t2c] GET /servidor 200 82 - 0.305 ms
[despregue-practica-2-6bf788874f-mq984] GET /servidor 200 82 - 0.222 ms
[despregue-practica-2-6bf788874f-tw4j2] GET /servidor 200 82 - 0.142 ms
[despregue-practica-2-6bf788874f-554f8] GET /servidor 200 82 - 0.149 ms
[despregue-practica-2-6bf788874f-scsth] GET /servidor 200 82 - 0.504 ms
[despregue-practica-2-6bf788874f-tw4j2] GET /servidor 200 82 - 0.268 ms
[despregue-practica-2-6bf788874f-mq984] GET /servidor 200 82 - 0.139 ms
[despregue-practica-2-6bf788874f-w7t2c] GET /servidor 200 82 - 0.250 ms
```