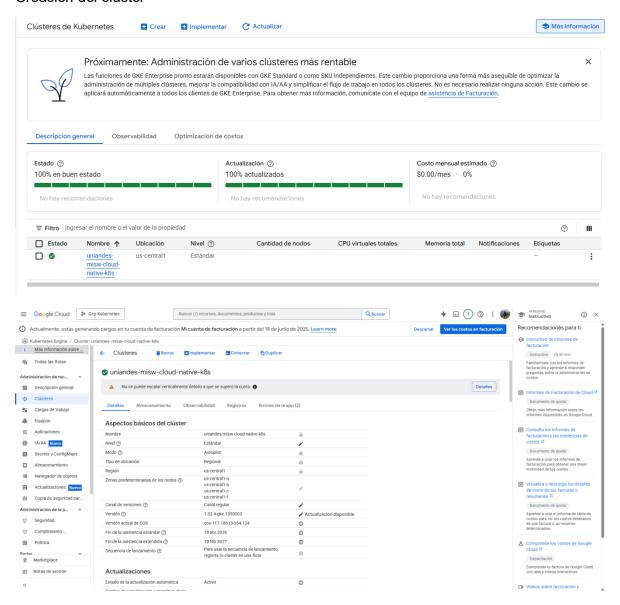
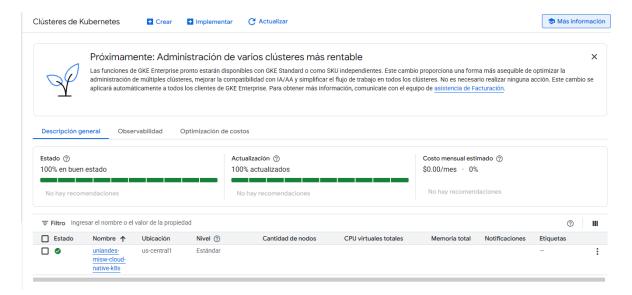
Creacion del cluster



Conexión del cluster



Despliegue

```
amerPc@DE5KTOP-GDCM0JE MINGw64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
$ gcloud container clusters get-credentials uniandes-misw-cloud-native-k8s --region us-central1 --project gcp-kubernetes-463317 Fetching cluster endpoint and auth data.
 kubeconfig entry generated for uniandes-misw-cloud-native-k8s.
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
$ kubectl apply -f pais-deployment.yaml
service/pais-service unchanged
deployment.apps/pais-service unchanged
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
$ kubectl apply -f auth-deployment.yaml
 service/auth-service unchanged
deployment.apps/auth-service unchanged
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
$ kubectl apply -f backendconfig.yaml
 backendconfig.cloud.google.com/pais-backendconfig unchanged
backendconfig.cloud.google.com/auth-backendconfig unchanged
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
$ kubectl apply -f ingress.yaml
ingress.networking.k8s.io/app-ingress unchanged
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
persistentvolumeclaim/db1-pvc unchanged
service/db1 unchanged
deployment.apps/db1 unchanged
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
 persistentvolumeclaim/db2-pvc unchanged
.
service/db2 unchanged
deployment.apps/db2 unchanged
```

Curl

```
GamerPc@DESKTOP-GDCM0JE MINGw64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
$ kubectl get pods
NAME
                               READY
                                                 RESTARTS
auth-service-7d84479fb9-bmzxl 0/1
                                       Running 2 (7h2m ago)
                                                               7h3m
db1-757dcc78bc-8hbct
                                       Running
db2-59f74f9d78-rrlqg
                                                                7h2m
pais-service-5678947f47-9rsnq 1/1
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
Hola alvaro
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
$ curl http://34.160.159.171/api/pais-service/pais-actuator/health
```

Describir el servicio ingress

Verificar si estan corriendo pods de un servicio

```
GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)

$ kubectl get pods -l app=pais-service

NAME

READY STATUS RESTARTS AGE

pais-service-5678947f47-9rsnq 1/1 Running 0 7h9m
```

Verifica los BackendConfig

```
$ kubectl describe backendconfig pais-backendconfig
            pais-backendconfig
Name:
Labels:
            <none>
Annotations: <none>
API Version: cloud.google.com/v1
            BackendConfig
 Creation Timestamp: 2025-06-18T21:33:57Z
 Generation:
 Resource Version: 1750282437112623010
                     0eebe920-1ad6-499e-9501-bb749af73433
   Check Interval Sec:
   Port:
                        8080
                         /pais-actuator/health
   Timeout Sec:
   Unhealthy Threshold: 3
```

Reiniciar el despliegue de un servicio.

GamerPc@DESKTOP-GDCM0JE MINGW64 ~/Documents/Univalle/Repositorios/Codelab_Desarrollo/Kubernetes Nivel basico - GCP (main)
\$ kubectl rollout restart deployment pais-service
deployment.apps/pais-service restarted