

GKE

Créer un compte

Créer un cluster

Se connecter au cluster

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to cool-automata-277808.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ gcloud container clusters get-credentials my-first-cluster-2 --zone europe-west1-b --project cool-automata-277808
Fetching cluster endpoint and auth data.
kubeconfig entry generated for my-first-cluster-2.
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl get nodes
NAME                                STATUS    ROLES    AGE   VERSION
gke-my-first-cluster-2-default-pool-28d47660-173d Ready    <none>   9d    v1.18.9-gke.801
gke-my-first-cluster-2-default-pool-28d47660-nsuz Ready    <none>   9d    v1.18.9-gke.801
gke-my-first-cluster-2-default-pool-28d47660-vvpq Ready    <none>   9d    v1.18.9-gke.801
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl get pods
No resources found in default namespace.
brissonneau_formation@cloudshell:~ (cool-automata-277808)$
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```

Pour l'instant, ni nodes ni pods...

Importer les fichiers sur GKE

Appliquer les déploiements avec kubectl

```
apinetmongo_deploiement.yml      apinetread_deploiement.yml      apinetservice_deploiement.yml
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f apinet_deploiement.yml
deployment.apps/apinet created
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f apinetread_deploiement.yml
deployment.apps/apinetread created
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f apinetmongo_deploiement.yml
deployment.apps/apinetmongo created
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f apinetmongoservice_deploiement.yml
service/mongo created
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f apinetreadservice_deploiement.yml
service/apinetreadservice created
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f apinetservice_deploiement.yml
service/apinetservice created
brissonneau_formation@cloudshell:~ (cool-automata-277808)$
```

Inspecter les pods

```
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
apinet-577cfc49c9-x2kbl             1/1     Running   0           110s
apinetmongo-85b849bf48-s27jw       1/1     Running   0           95s
apinetread-75f76ddd66-v2p46        1/1     Running   0           102s
brissonneau_formation@cloudshell:~ (cool-automata-277808)$
```

Inspecter les services

```
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl get services
NAME                TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
apinetreadservice   NodePort    10.0.3.21    <none>        8081:30002/TCP   2m12s
apinetservice       NodePort    10.0.13.48   <none>        8080:30001/TCP   2m6s
kubernetes          ClusterIP   10.0.0.1     <none>        443/TCP          151d
mongo               NodePort    10.0.6.196   <none>        27017:30017/TCP  2m19s
brissonneau_formation@cloudshell:~ (cool-automata-277808)$
```

Il n'y a pas d'adresses externes

Mettre en place des services Ingress, pour accéder à l'application de l'extérieur

```
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f ingress_pournetapi.yaml
ingress.networking.k8s.io/netapi-ingress created
brissonneau_formation@cloudshell:~ (cool-automata-277808)$ kubectl apply -f ingress_pournetapiread.yaml
ingress.networking.k8s.io/ingress-netapiread created
```