

# Sesión 16 prometheus on kubernetes

## google cloud

- `gcloud config set compute/zone europe-west1-b ←`  
(<https://cloud.google.com/compute/docs/regions-zones/>)
- `gcloud container clusters create bootcamp --num-nodes 3 --scopes`  
«<https://www.googleapis.com/auth/projecthosting,storage-rw>»
- `gcloud container clusters list`
- en local, con las utilidades G instaladas: `gcloud container clusters get-credentials bootcamp --zone europe-west1-b --project <project>`
  - <https://cloud.google.com/sdk/docs/quickstart-linux>
- y para eliminar después el cluster: `gcloud container clusters delete bootcamp`

## helm

- <https://medium.com/google-cloud/helm-on-gke-cluster-quick-hands-on-guide-ecffad94b0>
- `k apply -f create-helm-service-account.yaml`

[create-helm-service-account.yaml](#)

```
# This is an extract from here:
http://jayunit100.blogspot.fi/2017/07/helm-on.html
apiVersion: v1
kind: ServiceAccount
metadata:
  name: helm
  namespace: kube-system
---
apiVersion: rbac.authorization.k8s.io/v1beta1
kind: ClusterRoleBinding
metadata:
  name: helm
roleRef:
  apiGroup: rbac.authorization.k8s.io
  kind: ClusterRole
  name: cluster-admin
subjects:
- kind: ServiceAccount
  name: helm
  namespace: kube-system
```

- obtener password: `gcloud container clusters describe bootcamp --zone europe-west1-b --project caramel-era-236111`
  - igual no necesario
- inicializamos helm `helm init --service-account helm`
- `k get deploy,svc tiller-deploy -n kube-system`
- creamos para deployar: `helm create samplechart`
- deployamos: `helm install --name helm-test ./samplechart --set service.type=LoadBalancer`
- vemos el deploy: `k get svc`

- comprobación de nuestro NGINX desplegado: `curl 34.76.180.246`

## prometheus

- <https://itnext.io/kubernetes-monitoring-with-prometheus-in-15-minutes-8e54d1de2e13>

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