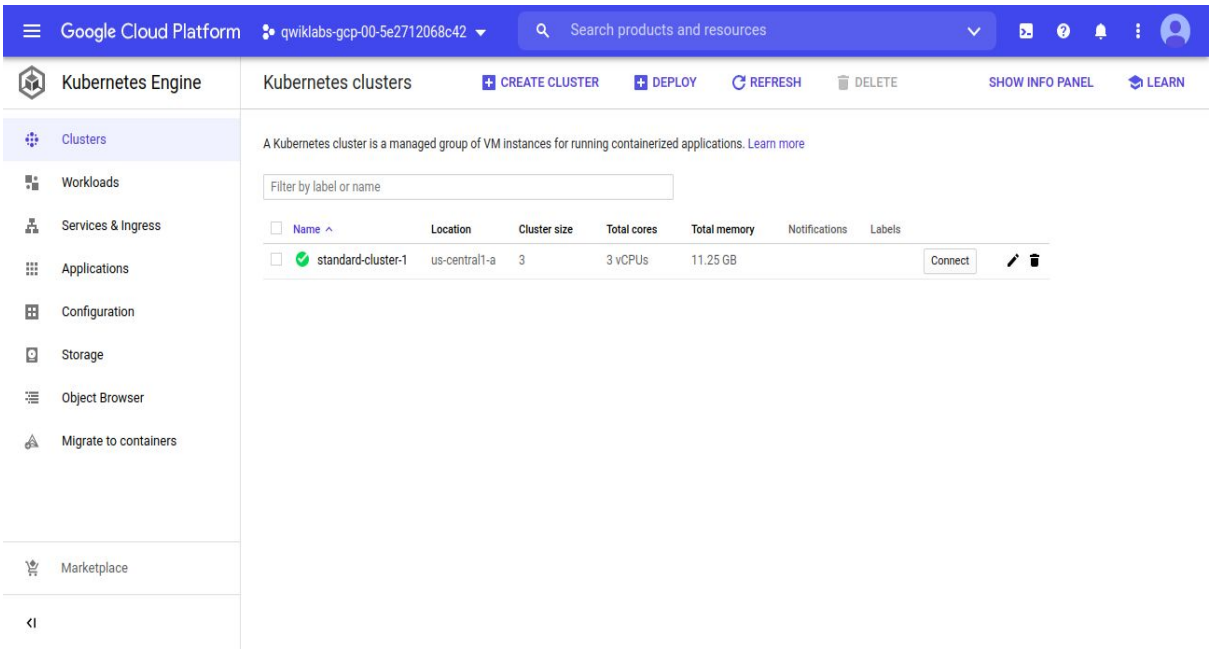
Creating a GKE cluster via GCP console

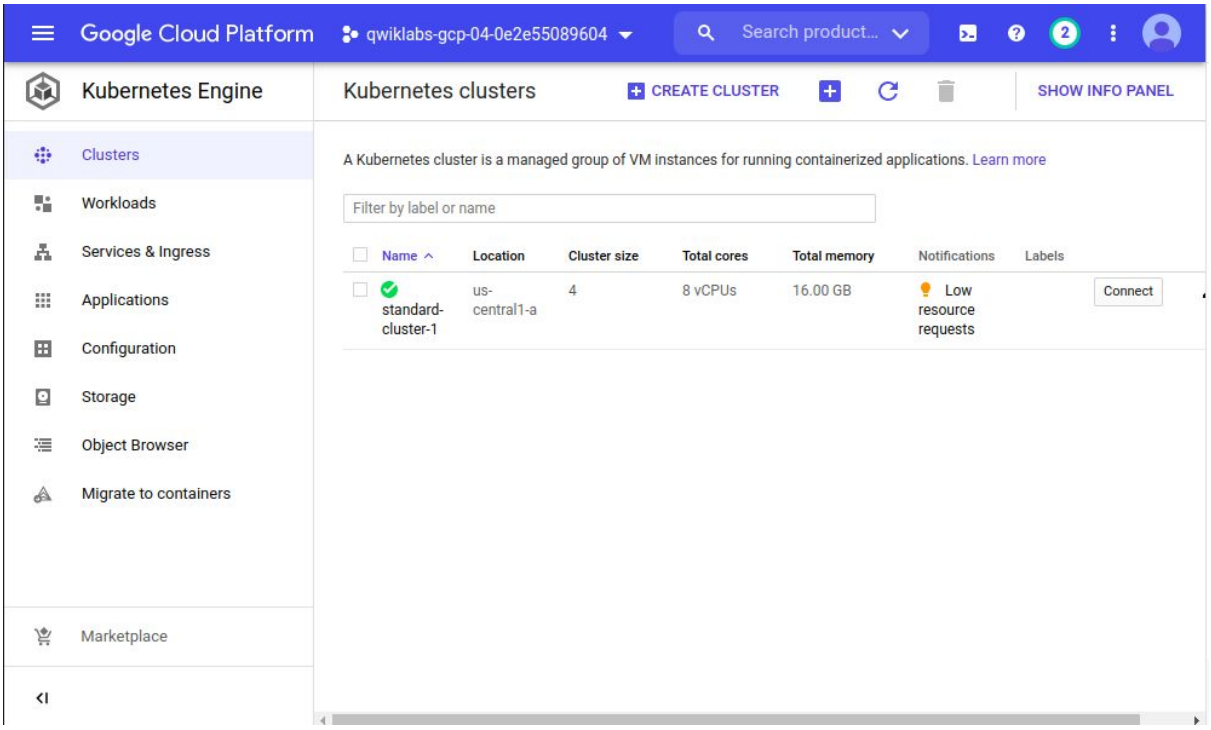
Lab objectives

- Use the GCP console to build and manipulate GKE clusters
- Use a GCP console to deploy a pod
- Use the GCP console to examine then cluster and pods

Google Kubernetes Engine is one of google components that allows containers managing in GCP. We started this lab by deploying a gke cluster with the GCP console. The cluster was named *standard-cluster-1* with 3 default nodes.

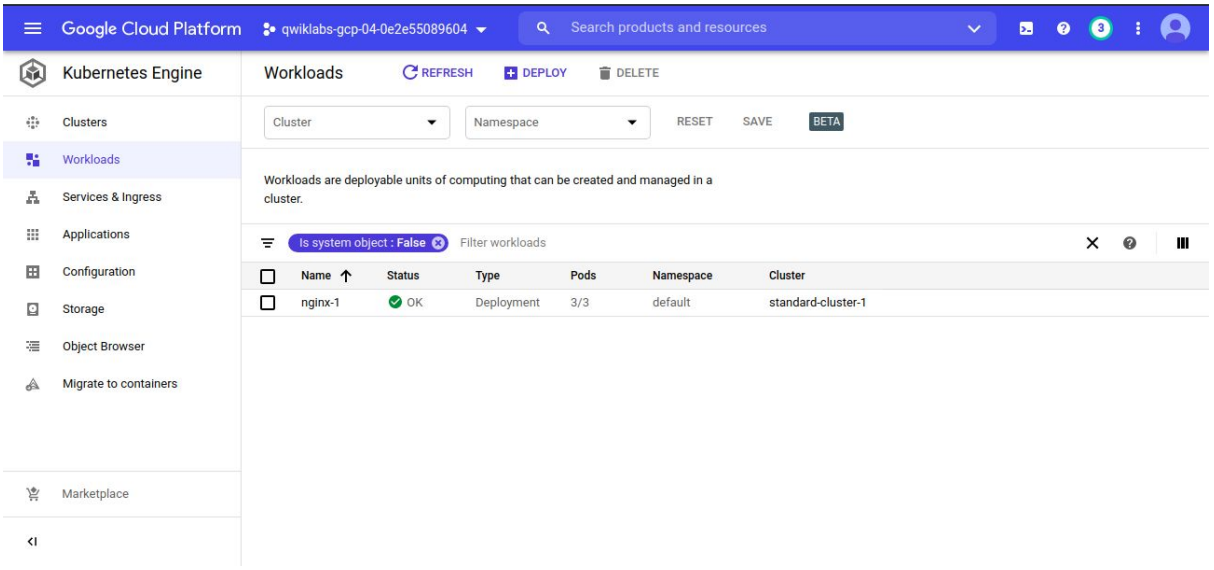


We then changed the default nodes number from 3 to 4. This is shown on the screenshot below:



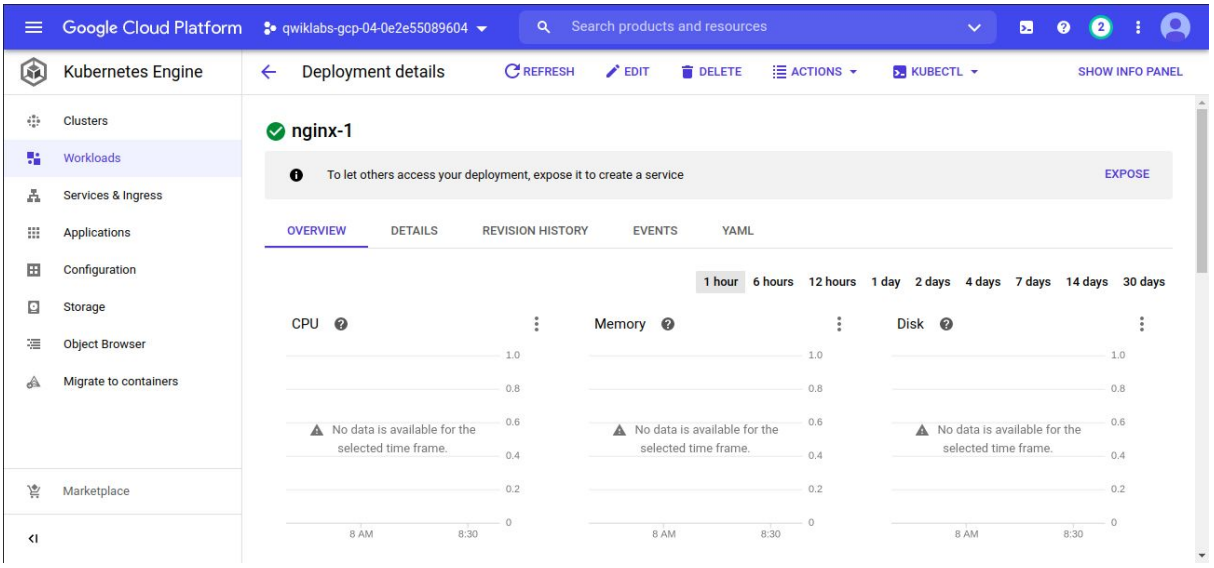
[Change nodes number from 3 to 4]

After deploying the cluster, we deployed a sample workload. This consisted of deploying a pod running the nginx web server. A pod is a virtual machine running one or many containers.



[Workload created]

We finally used the GCP console to see all details about the workload (Revision history, Events, Yaml configuration, Cpu Utilisation...)


Google Cloud Platform
qwiklabs-gcp-04-0e2e55089604
Search products and resources
Kubernetes Engine
Deployment details
REFRESH
EDIT
DELETE
ACTIONS
KUBECTL
SHOW INFO PANEL
Clusters
Workloads
Services & Ingress
Applications
Configuration
Storage
Object Browser
Migrate to containers
Marketplace
nginx-1
To let others access your deployment, expose it to create a service
EXPOSE
OVERVIEW
DETAILS
REVISION HISTORY
EVENTS
YAML
1 hour
6 hours
12 hours
1 day
2 days
4 days
7 days
14 days
30 days
CPU
Memory
Disk
No data is available for the selected time frame.
1.0
0.8
0.6
0.4
0.2
0
8 AM
8:30