

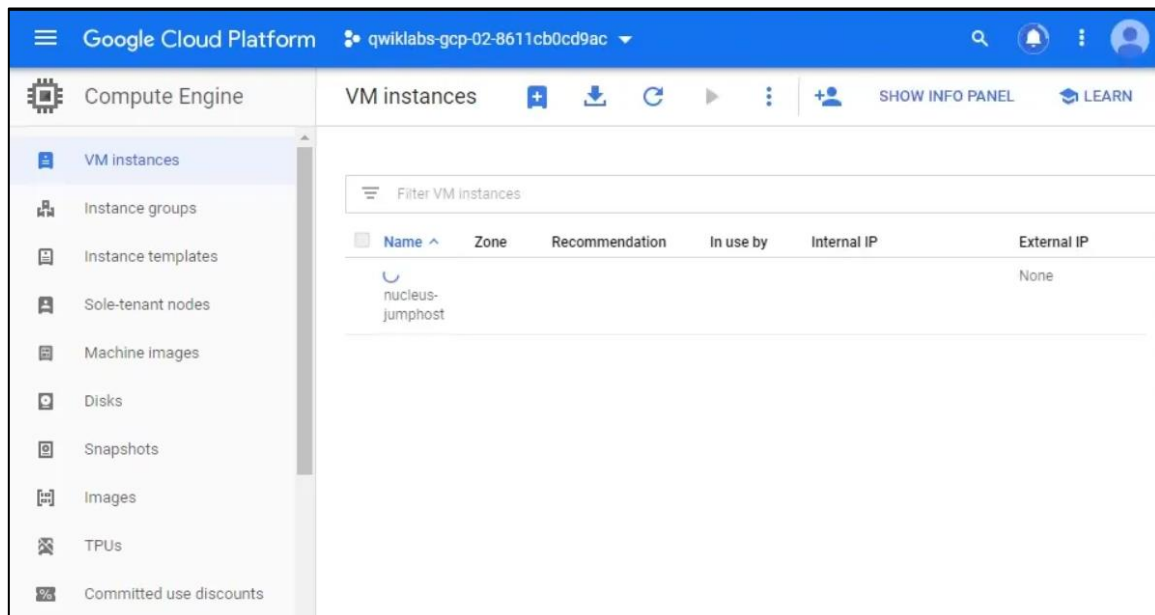
Create and Manage Cloud Resources: Challenge Lab

Author: Vedant Kakde | [GitHub Profile: github.com/vedant-kakde](https://github.com/vedant-kakde) | [LinkedIn Profile: linkedin.com/in/vedant-kakde/](https://linkedin.com/in/vedant-kakde/)

Task 1: Create a project jump host instance

This task is simple. Make sure you create the VM instance with:

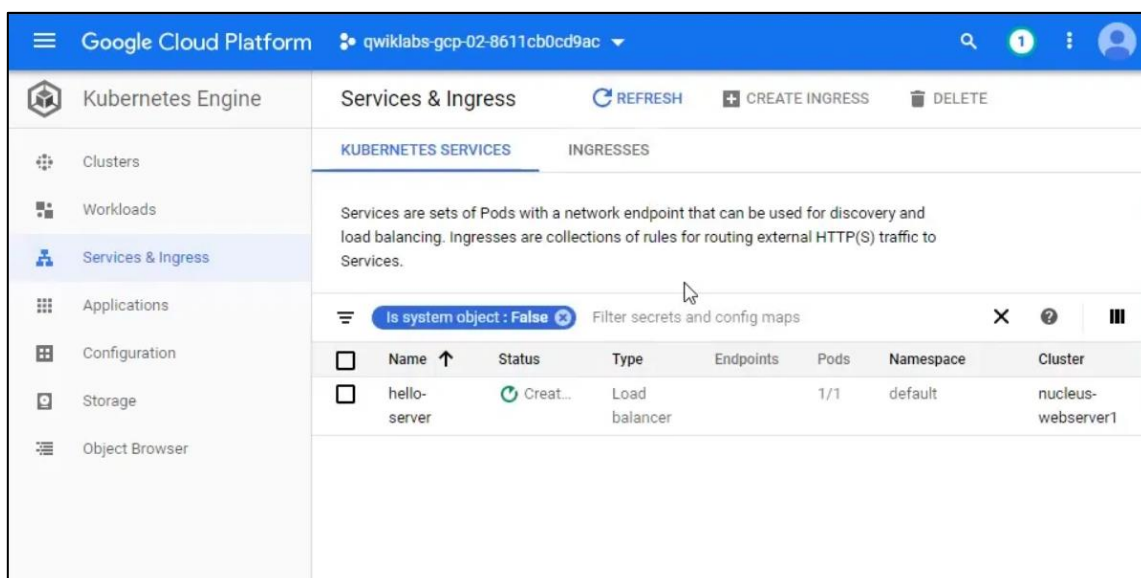
- Name: **nucleus-jumphost**
- Zone: **us-east1-b**
- Machine Type: **f1-micro**



Task 2: Create a Kubernetes service cluster

Make sure you:

- create the cluster to the zone **us-east1-b** by setting your default compute zone correctly;
- deploy the Docker container **hello-app:2.0**, instead of *hello-app:1.0*.



Task 3: Setup an HTTP load balancer

Make sure you:

- create the instance-group with **–size 2**;
- create the backend-services to the zone **us-east1-b**.

The deployed nginx web servers:

Welcome to Google Cloud Platform - nucleus-r692!

If you see this page, the Google Cloud Platform - nucleus-r692 web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using Google Cloud Platform - nucleus-r692.

Congratulations! You completed this challenge lab.