**GOOGLE CLOUD FUNDAMENTALS: GETTING STARTED WITH GKE**

**START A KUBERNETES ENGINE CLUSTER**

**1 For convenience, place the zone that Qwiklabs assigned you to into an environment variable called MY\_ZONE.**

export MY\_ZONE=us-central1-a

**2 Start a Kubernetes cluster managed by Kubernetes Engine. Name the cluster webfrontend and configure it to run 2 nodes:**

gcloud container clusters create webfrontend --zone $MY\_ZONE --num-nodes 2

**3 After the cluster is created, check your installed version of Kubernetes using the kubectl version command:**

kubectl version

**RUN AND DEPLOY A CONTAINER**

**4 From your Cloud Shell prompt, launch a single instance of the nginx container. (Nginx is a popular web server.)**

kubectl create deploy nginx --image=nginx:1.17.10

**5. View the pod running the nginx container:**

kubectl get pods

**6. Expose the nginx container to the Internet:**

kubectl expose deployment nginx --port 80 --type LoadBalancer

**7. View the new service:**

kubectl get services

**8. Scale up the number of pods running on your service:**

kubectl scale deployment nginx --replicas 3

**9. Confirm that Kubernetes has updated the number of pods:**

kubectl get pods

**10 Confirm that your external IP address has not changed:**

kubectl get services