Lab 4.7 Creating deployment and Load Balanced Service using a Docker image

1. Use the kubectl create command to create a Deployment that manages a Pod. The Pod runs a Container based on the provided Docker image.

**kubectl create deployment hello-node --image=k8s.gcr.io/echoserver:1.4**

1. View the deployment and Pods

**kubectl get deployment**

**kubectl get pods**

1. Expose the Pod to the public internet using the kubectl expose command:

**kubectl expose deployment hello-node --type=LoadBalancer --port=8080**

The --type=LoadBalancer flag indicates that you want to expose your Service outside of the cluster.

1. On cloud providers that support load balancers, an external IP address would be provisioned to access the Service. On minikube, the LoadBalancer type makes the Service accessible through the minikube service command.

**minikube service hello-node**

1. Cleanup

**kubectl delete service hello-node**

**kubectl delete deployment hello-node**