1. How many DaemonSets are created in the cluster in all namespaces?

2

1. what DaemonSets exist on the kube-system namespace?

kube-system

1. What is the image used by the POD deployed by the kube-proxy DaemonSet

Kube-flannel-ds

1. Deploy a DaemonSet for FluentD Logging. Use the given specifications. Name: elasticsearch Namespace: kube-system Image: k8s.gcr.io/fluentd-elasticsearch:1.20

Kubectl crate deployment elasticsearch -n kube-system –image= k8s.gcr.io/fluentd-elasticsearch:1.20 –dry run=clinet -o yaml

1. Deploy a pod named nginx-pod using the nginx:alpine image with the labels set to tier=backend.

kubectl run nginx-pod --image=nginx:alpine --labels="tier=backend"

1. Deploy a test pod using the nginx:alpine image.

kubectl run test-pod --image=nginx:alpine

1. Create a service backend-service to expose the backend application within the cluster on port 80.

kubectl expose pod nginx-pod --name=backend-service --port=80 --target-port=80

1. try to curl the backend-service from the test pod. What is the response?



1. Create a deployment named web-app using the image nginx with 2 replicas

kubectl create deployment web-app --image=nginx --replicas=2

1. Expose the web-app as service web-app-service application on port 80 and nodeport 30082 on the nodes on the cluster

kubectl expose deployment web-app --name=web-app-service --type=NodePort --port=80 --node-port=30082

1. access the web app from the node

http://<NODE-IP>:30082

1. How many static pods exist in this cluster in all namespaces?

kubectl get pods --all-namespaces -o wide

13-On which nodes are the static pods created currently?

3