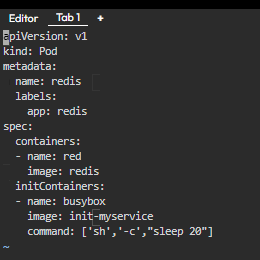
1. Create a pod red with redis image and use an initContainer that uses the busybox image and sleeps for 20 seconds  
     
     
     
     
     
   
2. Create a pod named print-envars-greeting.

1. Configure spec as, the container name should be print-env-container and use bash image.

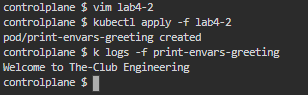
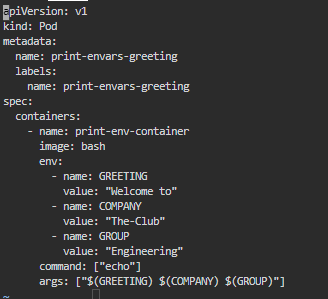
2. Create three environment variables:

a- GREETING and its value should be “Welcome to”

b. COMPANY and its value should be “DevOps”

GROUP and its value should be “Industries”

1. Use command to echo ["$(GREETING) $(COMPANY) $(GROUP)"] message.

4. You can check the output using <kubctl logs -f [ pod-name ]>command  
  
  
  


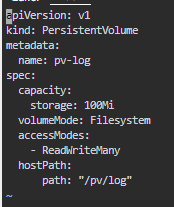
3- Create a Persistent Volume with the given specification.

Volume Name: pv-log

Storage: 100Mi

Access Modes: ReadWriteMany

Host Path: /pv/log  
  
  

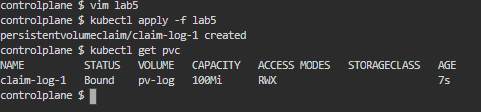
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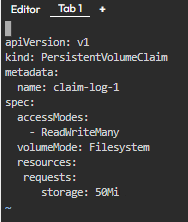
4- Create a Persistent Volume Claim with the given specification.

Volume Name: claim-log-1

Storage Request: 50Mi

Access Modes: ReadWriteMany



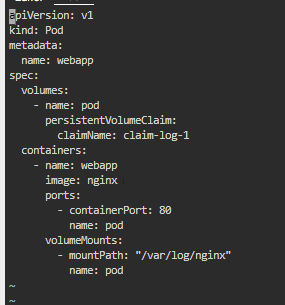


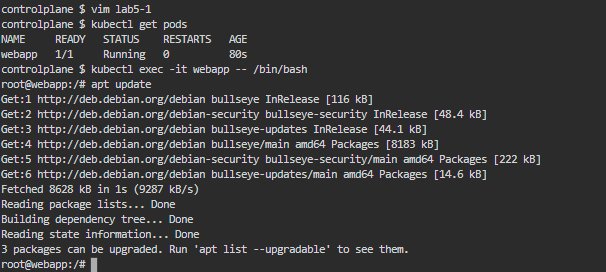
5- Create a webapp pod to use the persistent volume claim as its storage.

Name: webapp

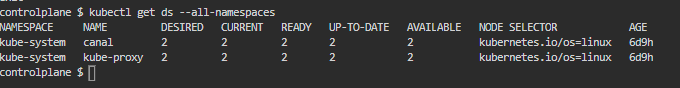
Image Name: nginx

Volume: PersistentVolumeClaim=claim-log-1

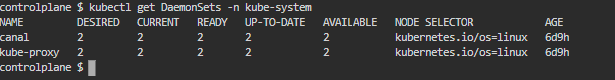
Volume Mount: /var/log/nginx  
  


  
  
  
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6- How many DaemonSets are created in the cluster in all namespaces? >> 2

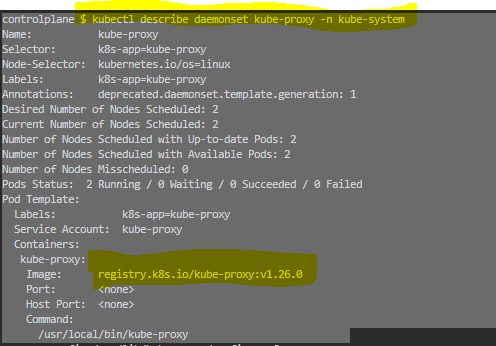


7- what DaemonSets exist on the kube-system namespace? >> Canal and kube-proxy



8- What is the image used by the POD deployed by the kube-proxy

DaemonSet

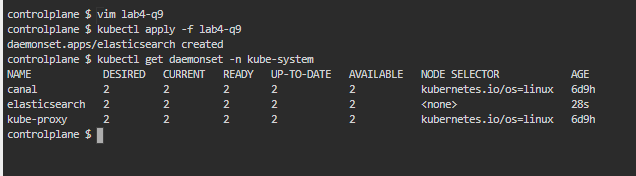


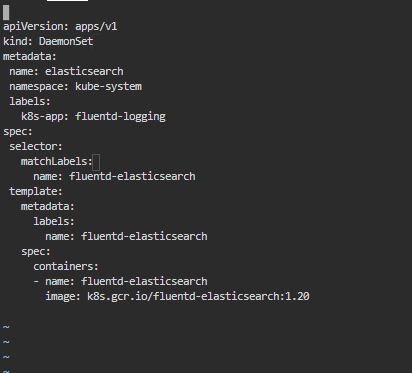
9- Deploy a DaemonSet for FluentD Logging. Use the given

specifications.

Name: elasticsearch

Namespace: kube-system

Image: k8s.gcr.io/fluentd-elasticsearch:1.20  
  




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10- Create a multi-container pod with 2 containers.

Name: yellow

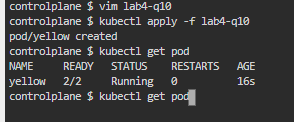
Container 1 Name: lemon

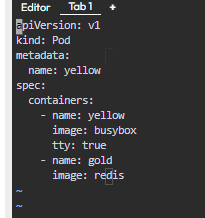
Container 1 Image: busybox

Container 2 Name: gold

Container 2 Image: redis

########## Bonus Question OR if you couldn't Pull MongoDB image yesterday ;) ########





11- create a POD called db-pod with the image mysql:5.7 then check the POD status





12- why the db-pod status not ready

environment variables not assigned

13- Create a new secret named db-secret with the data given below.

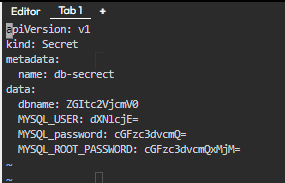
Secret Name: db-secret

Secret 1: MYSQL\_DATABASE=sql01

Secret 2: MYSQL\_USER=user1

Secret3: MYSQL\_PASSWORD=password

Secret 4: MYSQL\_ROOT\_PASSWORD=password123



14- Configure db-pod to load environment variables from the newly created

secret.

Delete and recreate the pod if required.

