THE LINUX FOUNDATION | Training & Certification

Exercise 13.2: Viewing Logs Output

Container standard out can be seen via the **kubectl logs** command. If there is no standard out, you would not see any output. In addition, the logs would be destroyed if the container is destroyed.

1. View the current Pods in the cluster. Be sure to view Pods in all namespaces.

```
student@cp:~$ kubectl get po --all-namespaces
```

```
NAMESPACE     NAME                                      READY     STATUS    RESTARTS   AGE
kube-system   calico-kube-controllers-7b9dcdcc5-qg6zd   1/1     Running   0          13m
kube-system   calico-node-dr279                         1/1     Running   0          6d1h

....
kube-system   etcd-cp                      1/1       Running   2          44h
kube-system   kube-apiserver-cp            1/1       Running   2          44h
kube-system   kube-controller-manager-cp   1/1       Running   2          44h
kube-system   kube-scheduler-cp            1/1       Running   2          44h
....
```

2. View the logs associated with various infrastructure pods. Using the **Tab** key you can get a list and choose a container. Then you can start typing the name of a pod and use **Tab** to complete the name.

```
student@cp:~$ kubectl -n kube-system logs <Tab><Tab>
```

```
calico-kube-controllers-7b9dcdcc5-qg6zd
calico-node-dr279
calico-node-xtvfd
coredns-5644d7b6d9-k7kts
coredns-5644d7b6d9-rnr2v
etcd-cp
kube-apiserver-cp
kube-controller-manager-cp
kube-proxy-qhc4f
kube-proxy-s56hl
kube-scheduler-f-cp
traefik-ingress-controller-hw5tv
traefik-ingress-controller-mcn47
```

```
student@cp:~$  kubectl -n kube-system logs \
          kube-apiserver-cp
```

```
Flag --insecure-port has been deprecated, This flag will be removed in a future version.
I1119 02:31:14.933023       1 server.go:623] external host was not specified, using 10.128.0.3
I1119 02:31:14.933356       1 server.go:149] Version: v1.19.0
I1119 02:31:15.595131       1 plugins.go:158] Loaded 11 mutating admission controller(s)
successfully in the following order: NamespaceLifecycle,LimitRanger,ServiceAccount,
NodeRestriction,TaintNodesByCondition,Priority,DefaultTolerationSeconds,DefaultStorageClass,
StorageObjectInUseProtection,MutatingAdmissionWebhook,RuntimeClass.
I1119 02:31:15.595357       1 plugins.go:161] Loaded 7 validating admission controller(s)
successfully in the following order: LimitRanger,ServiceAccount,Priority,
PersistentVolumeClaimResize,ValidatingAdmissionWebhook,RuntimeClass,
ResourceQuota.
<output_omitted>
```

3. View the logs of other Pods in your cluster.