



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
1	kube-system	calico-kube-controllers-7b9dcdcc5-qg6zd	1/1	Running	0	13m
2	kube-system	calico-node-dr279	1/1	Running	0	6d1h
3						
4					
5	kube-system	etcd-cp	1/1	Running	2	44h
6	kube-system	kube-apiserver-cp	1/1	Running	2	44h
7	kube-system	kube-controller-manager-cp	1/1	Running	2	44h
8	kube-system	kube-scheduler-cp	1/1	Running	2	44h
9					
10						

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>
```

- 1 calico-kube-controllers-7b9dcdcc5-qg6zd
- 2 calico-node-dr279
- 3 calico-node-xtvfd
- 4 coredns-5644d7b6d9-k7kts
- 5 coredns-5644d7b6d9-rnr2v
- 6 etcd-cp
- 7 kube-apiserver-cp
- 8 kube-controller-manager-cp
- 9 kube-proxy-qhc4f
- 10 kube-proxy-s56hl
- 11 kube-scheduler-f-cp
- 12 traefik-ingress-controller-hw5tv
- 13 traefik-ingress-controller-mcn47

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

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

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