

Step 1 - Check for running Pod in all Namespaces, focus on Kube-System Namespace

```
kubectl get pods --all-namespaces
```

```
[S0CMAC17J3JH4:Downloads] laostro$ kubectl get pods --all-namespaces
```

NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE
ingress-nginx	nginx-ingress-controller-767bbbd54f-89f9h	1/1	Running	39	30d
jenkins	jenkins-deployment-76c559fb4-ky2l5	1/1	Running	7	22d
kube-system	coredns-fb8b8dcfc-8zqxd	1/1	Running	228	63d
kube-system	coredns-fb8b8dcfc-tcn5r	1/1	Running	226	63d
kube-system	etcd-minikube	1/1	Running	13	63d
kube-system	kube-addon-manager-minikube	1/1	Running	9	63d
kube-system	kube-apiserver-minikube	1/1	Running	154	63d
kube-system	kube-controller-manager-minikube	1/1	Running	51	3d22h
kube-system	kube-proxy-hfbzz	1/1	Running	9	63d
kube-system	kube-scheduler-minikube	1/1	Running	493	63d
kube-system	nginx-ingress-controller-b84556868-zf8md	1/1	Running	628	30d
kube-system	storage-provisioner	1/1	Running	17	63d
kubernetes-dashboard	dashboard-metrics-scraper-c94cb59d4-qbrhq	1/1	Running	31	63d
kubernetes-dashboard	kubernetes-dashboard-7b69dd5d6b-n4nrc	1/1	Running	106	63d
twistlock	twistlock-console-5c8598d74-2raq8	1/1	Running	10	62d
twistlock	twistlock-defender-ds-q87zn	1/1	Running	5	24d

vi pod.yaml

```
apiVersion: v1
kind: Pod
metadata:
  name: myapp-pod
  labels:
    app: myapp
spec:
  containers:
    - name: myapp-container
      image: busybox
      command: ['sh', '-c', 'echo Hello Kubernetes! && sleep 3600']
```

```
kubectl create -f pod.yaml
```

```
[SJCMA17JJHD4:Downloads lcastro$ kubectl create -f pod.yaml]
pod/myapp-pod created
```

Step 4 - Validate running Pod

kubectl get pods

```
SJCMAC17JJHD4:Downloads lcastro$ kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
myapp-pod     1/1     Running   0          51s
```

Step 5 - See the output of the Pod

kubectl logs myapp-pod

```
SJCMAC17JJHD4:Downloads lcastro$ kubectl logs myapp-pod
Hello Kubernetes!
```

Step 6 - Change the Output of the Pod from YAML

Go inside the yaml file and change the 'echo command' as shown in bellow

vi pod.yaml

```
apiVersion: v1
kind: Pod
metadata:
  name: myapp-pod
  labels:
    app: myapp
spec:
  containers:
  - name: myapp-container
    image: busybox
    command: ['sh', '-c', 'echo Hello Palo Alto Networks! && sleep 3600']
```

Step 7 - Delete the Pod and create a new Pod

kubectl delete pods myapp-pod

kubectl create -f pod.yaml

```
[SJCMAC17JJHD4:Downloads lcastro$ kubectl delete pods myapp-pod
pod "myapp-pod" deleted
[SJCMAC17JJHD4:Downloads lcastro$ kubectl create -f pod.yaml
pod/myapp-pod created
```

```
kubectl logs myapp-pod
```

Step 9 - Delete the Pod

```
kubectl delete pods myapp-pod
```

```
[SJCMA17JJHD4:Downloads lcastro$ kubectl delete pods myapp-pod  
pod "myapp-pod" deleted
```