

Every step is done inside the Master Node

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

kubectl get pods --all-namespaces

ingress-nginx nginx-ingress-controller-767bbbd54f-89f9h 1/1 Running 39 38d jenkins jenkins-deployment-76c559fb4-kv2l5 1/1 Running 7 22d kube-system coredns-fb8b8dccf-8zqxd 1/1 Running 228 63d kube-system coredns-fb8b8dccf-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 51 3d22h 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-provi		
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Step 2 - Create a Manifest YAML File

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']



Step 3 - Create a Pod from a YAML File

kubectl create -f pod.yaml

[SJCMAC17JJHD4:Downloads | castro\$ kubect| create =f pod.yaml | S | D | pod/myapp=pod created

Step

4 - Validate running Pod

kubectl get pods

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

Step 5 - See the output of the Pod

kubectl logs myapp-pod

SJCMAC17JJHD4:Downloads (castro\$ kubect) 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 leastro\$ kubectl delete pods myapp-pod pod "myapp-pod" deleted [SJCMAC17JJHD4:Downloads leastro\$ kubectl create -f pod.yaml pod/myapp-pod created

Step 8 - Review the new output

kubectl logs myapp-pod

[SJCMAC17JJHD4:Downloads | leastro\$ | kubectl | logs | myapp=pod | | | Hello Palo Alto Networks!

Step 9 - Delete the Pod

kubectl delete pods myapp-pod

[SJCMAC17JJHD4:Downloads loastro\$ kubectl delete pods myapp-pod pod "myapp-pod" deleted