Manifest.yml file Example:

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kind: Pod

apiVersion: v1

metadata:

name: testpod

spec:

containers:

- name: c01

image: ubuntu

command: ["/bin/bash", "-c", "echo Hello-World"]

- name: c02

image: centos

command: ["/bin/bash", "-c", "echo bye-World"]

restartPolicy: Never # Default to always

---

kind: Pod

apiVersion: v1

metadata:

name: testpod

spec:

containers:

- name: c01

image: ubuntu

command: ["/bin/bash", "-c", "while true; do echo Hello-World; sleep 5; done"] (or) command: ['sh', '-c', 'echo "Hello, Kubernetes!" && sleep 3600']

restartPolicy: Never # Default to always

Commands:

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- minikube start

- To start the Minikube

- kubectl apply -f manifest.yml

- To Create Pod and Run a Container

- kubectl get pods

- Get details of Pods

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apiVersion: batch/v1

kind: Job

metadata:

name: hello

spec:

template: # This is the pod template

spec:

containers:

- name: hello

image: busybox

command: ['sh', '-c', 'echo "Hello, Kubernetes!" && sleep 3600']

restartPolicy: OnFailure # The pod template ends here