**Step 1 - Creating a Pod with Readiness Probes**

**Create a YAML File for a Deployment containing 5 replicas**

**vi liveness-probe.yaml**

apiVersion: v1

kind: Pod

metadata:

name: my-readiness-pod

spec:

containers:

- name: myapp-container

image: nginx

readinessProbe:

httpGet:

path: /

port: 30000

initialDelaySeconds: 5

periodSeconds: 5

kubectl create -f liveness-probe.yaml

**Valide if Pod is running correctly**

Kubectl get pods



**kubectl describe pods**

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**Do you see the error?**

**Look for this warning**

**Warning Unhealthy 2s (x4 over 17s) kubelet, worker-2 Readiness probe failed: Get http://10.244.2.37:30000/: dial tcp 10.244.2.37:30000: connect: connection refused**

**Step 2 - Modify Readiness Probes**

kubectl delete pod my-readiness-pod

**Modify YAML File as follows**

**vi liveness-probe.yaml**

apiVersion: v1

kind: Pod

metadata:

name: my-readiness-pod

spec:

containers:

- name: myapp-container

image: nginx

readinessProbe:

httpGet:

path: /

port: 80

initialDelaySeconds: 5

periodSeconds: 5

**Create Pod again**

kubectl create -f liveness-probe.yaml

**Validate if pod is running correctly**

**Look deeper inside the Pod why is running correctly**

kubectl describe pods

**Step 3 - Delete the Pod**

kubectl delete pod my-readiness-pod