COMMANDS\_PRATICES\_K8S

root@DESKTOP-DA2RDP0:k8sCluster\_kubeadm\_terraform# kubectl get nodes --watch

NAME STATUS ROLES AGE VERSION

master Ready control-plane 9m45s v1.28.2

worker-0 Ready <none> 9m33s v1.28.2

worker-1 Ready <none> 9m32s v1.28.2

^Croot@DESKTOP-DA2RDP0:k8sCluster\_kubeadm\_terraform#

root@DESKTOP-DA2RDP0:Dockerfile# k get nodes -o wide

NAME STATUS ROLES AGE VERSION INTERNAL-IP EXTERNAL-IP OS-IMAGE KERNEL-VERSION CONTAINER-RUNTIME

master Ready control-plane 46m v1.28.2 172.31.92.100 <none> Ubuntu 18.04.6 LTS 5.4.0-1103-aws containerd://1.6.2

worker-0 Ready <none> 46m v1.28.2 172.31.89.183 <none> Ubuntu 18.04.6 LTS 5.4.0-1103-aws containerd://1.6.2

worker-1 Ready <none> 46m v1.28.2 172.31.84.227 <none> Ubuntu 18.04.6 LTS 5.4.0-1103-aws containerd://1.6.2

root@DESKTOP-DA2RDP0:Dockerfile#

root@DESKTOP-DA2RDP0:Dockerfile#

root@DESKTOP-DA2RDP0:Dockerfile# kubectl describe replicaset

Name: search

Namespace: default

Selector: app=search

Labels: <none>

Annotations: <none>

Replicas: 6 current / 6 desired

Pods Status: 2 Running / 4 Waiting / 0 Succeeded / 0 Failed

Pod Template:

Labels: app=search

Containers:

search:

Image: harshitameshram/k8s\_objects:v4

Port: 80/TCP

Host Port: 0/TCP

Limits:

cpu: 500m

memory: 128Mi

Environment: <none>

Mounts: <none>

Volumes: <none>

Events:

Type Reason Age From Message

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Normal SuccessfulCreate 10m replicaset-controller Created pod: search-wm9b6

Normal SuccessfulCreate 9m9s replicaset-controller Created pod: search-ccclz

Normal SuccessfulCreate 9m9s replicaset-controller Created pod: search-lfnk9

Normal SuccessfulCreate 9m9s replicaset-controller Created pod: search-h6sxw

Normal SuccessfulCreate 9m9s replicaset-controller Created pod: search-xhqdd

Normal SuccessfulCreate 9m9s replicaset-controller Created pod: search-f2zpr

Name: submit-57b44cc48

Namespace: default

Selector: app=submit,pod-template-hash=57b44cc48

Labels: app=submit

pod-template-hash=57b44cc48

Annotations: deployment.kubernetes.io/desired-replicas: 1

deployment.kubernetes.io/max-replicas: 2

deployment.kubernetes.io/revision: 1

Controlled By: Deployment/submit

Replicas: 1 current / 1 desired

Pods Status: 0 Running / 1 Waiting / 0 Succeeded / 0 Failed

Pod Template:

Labels: app=submit

pod-template-hash=57b44cc48

Containers:

submit:

Image: harshitameshram/k8s\_objects:latest

Port: 80/TCP

Host Port: 0/TCP

Limits:

cpu: 500m

memory: 128Mi

Environment: <none>

Mounts: <none>

Volumes: <none>

Events:

Type Reason Age From Message

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Normal SuccessfulCreate 8m24s replicaset-controller Created pod: submit-57b44cc48-k8vhn

root@DESKTOP-DA2RDP0:Dockerfile#

root@DESKTOP-DA2RDP0:Dockerfile# k get nodes -o wide

NAME STATUS ROLES AGE VERSION INTERNAL-IP EXTERNAL-IP OS-IMAGE KERNEL-VERSION CONTAINER-RUNTIME

master Ready control-plane 46m v1.28.2 172.31.92.100 <none> Ubuntu 18.04.6 LTS 5.4.0-1103-aws containerd://1.6.2

worker-0 Ready <none> 46m v1.28.2 172.31.89.183 <none> Ubuntu 18.04.6 LTS 5.4.0-1103-aws containerd://1.6.2

worker-1 Ready <none> 46m v1.28.2 172.31.84.227 <none> Ubuntu 18.04.6 LTS 5.4.0-1103-aws containerd://1.6.2

root@DESKTOP-DA2RDP0:Dockerfile#

root@DESKTOP-DA2RDP0:Dockerfile#

root@DESKTOP-DA2RDP0:submit# kubectl get all

NAME READY STATUS RESTARTS AGE

pod/login-9pkr8 1/1 Running 0 6m12s

pod/login-jdj4m 1/1 Running 0 6m12s

pod/myapp-dashboard 1/1 Running 0 14m

pod/search-ccclz 1/1 Running 0 104s

pod/search-f2zpr 0/1 Pending 0 104s

pod/search-h6sxw 0/1 Pending 0 104s

pod/search-lfnk9 0/1 Pending 0 104s

pod/search-wm9b6 1/1 Running 0 3m9s

pod/search-xhqdd 0/1 Pending 0 104s

pod/submit-57b44cc48-k8vhn 0/1 Pending 0 58s

NAME DESIRED CURRENT READY AGE

replicationcontroller/login 2 2 2 6m13s

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

service/kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 40m

NAME READY UP-TO-DATE AVAILABLE AGE

deployment.apps/submit 0/1 1 0 59s

NAME DESIRED CURRENT READY AGE

replicaset.apps/search 6 6 2 3m11s

replicaset.apps/submit-57b44cc48 1 1 0 60s

root@DESKTOP-DA2RDP0:submit#

root@DESKTOP-DA2RDP0:submit# kubectl get replicaset

NAME DESIRED CURRENT READY AGE

search 6 6 2 2m57s

submit-57b44cc48 1 1 0 46s

root@DESKTOP-DA2RDP0:submit# kubectl get replicaset

NAME DESIRED CURRENT READY AGE

search 6 6 2 2m33s

submit-57b44cc48 1 1 0 22s

root@DESKTOP-DA2RDP0:submit# kubectl get pods

NAME READY STATUS RESTARTS AGE

login-9pkr8 1/1 Running 0 5m43s

login-jdj4m 1/1 Running 0 5m43s

myapp-dashboard 1/1 Running 0 13m

search-ccclz 1/1 Running 0 75s

search-f2zpr 0/1 Pending 0 75s

search-h6sxw 0/1 Pending 0 75s

search-lfnk9 0/1 Pending 0 75s

search-wm9b6 1/1 Running 0 2m40s

search-xhqdd 0/1 Pending 0 75s

submit-57b44cc48-k8vhn 0/1 Pending 0 29s

root@DESKTOP-DA2RDP0:search# kubectl get pods

NAME READY STATUS RESTARTS AGE

login-9pkr8 1/1 Running 0 3m51s

login-jdj4m 1/1 Running 0 3m51s

myapp-dashboard 1/1 Running 0 11m

search-wm9b6 1/1 Running 0 48s