**Edit Pods**

A Note on Editing Existing Pods

In any of the practical quizzes, if you are asked to edit an existing POD, please note the following:

If you are given a pod definition file, edit that file and use it to create a new pod.

If you are not given a pod definition file, you may extract the definition to a file using the below command:

kubectl get pod <pod-name> -o yaml > pod-definition.yaml

Then edit the file to make the necessary changes, delete, and re-create the pod.

To modify the properties of the pod, you can utilize the kubectl edit pod <pod-name> command. Please note that only the properties listed below are editable.

spec.containers[\*].image

spec.initContainers[\*].image

spec.activeDeadlineSeconds

spec.tolerations

spec.terminationGracePeriodSeconds

**Controllers**

**Replication Controller**

apiVersion: v1

kin: ReplicaController

metadata:

name:

labels:

app: app-rc

type: frontend

spec:

template:

metadata:

name:

labels:

app:

type:

spec:

containers:

- name:

image:

replicas: 3

kubectl create -f rc.yaml

kubectl get replicationcontroller

**ReplicaSet**

appVersion: apps/vi

kind: ReplicaSet

metadata:

name: app-rs

labels:

app:

type:thispodrc

spec:

metadata:

name:

labels:

app:

type:thispod

spec:

containers:

- name:

image:

replicas:

selector:

matchLabels:

type: thispod

kubectl create -f rs.yaml

kubectl get replicaset

**Scale Replicasets**

1 change yaml file replicas value

kubectl replace -f rs.yaml

2 kubectl scale replicas=6 -f rs.yaml

kubectl scale replicas=6 replicaset app-rs

**ReplicaSet Lab**

1 alias k=kubectl

2 k get pods

5 k get replicasets

6 k describe replicaset new-replica-set

7 k delete pod new-replica-set-vzbwj

11 k get pods

12 vi /root/replicaset-definition-1.yaml

13 k create -f /root/replicaset-definition-1.yaml

14 vi /root/replicaset-definition-1.yaml

15 k create -f /root/replicaset-definition-1.yaml

16 vi /root/replicaset-definition-2.yaml

17 k create -f /root/replicaset-definition-2.yaml

18 vi /root/replicaset-definition-2.yaml

19 k create -f /root/replicaset-definition-2.yaml

20 k delete rs replicaset-1

21 k delete rs replicaset-1

22 k delete rs replicaset-2

31 vi new-replicaset.yaml

32 k get replicaset new-replica-set -o yaml > new-replicaset.yaml

33 vi new-replicaset.yaml

36 k delete replicaset new-replicas-et

37 k delete replicaset new-replica-set

38 k create replicaset new-replica-set

39 k create replicaset -f new-replicaset.yaml

40 k create -f new-replicaset.yaml

41 k scale --replicas=5 replicaset new-replica-set

42 k get pods

43 k scale --replicas=2 replicaset new-replica-set

**Deployments**

appVersion: apps/vi

kind: Deployment

metadata:

name: app-deployment

labels:

app:

type:thisdeployment

spec:

metadata:

name:

labels:

app:

type:thispoddeployment

spec:

containers:

- name:

image:

replicas:

selector:

matchLabels:

type: thispoddeployment

kubectl create -f deployment.yaml

kubectl get deployments

kubectl get replicasets

kubectl get pods