Module 3: Kubernetes Controllers

MCQ Scenarios

edureka!



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Module - 3

[Scenario - 1]

Consider a replica set rs deployed in the cluster. Label selector for the pods in rs is "role=web" and replica count is set to "3". Following are the pods and state of the rs in the system

aster1 ı	rs]# kuk	pectl	get 1	rs		
DESIRE	O CURI	RENT	REAL	DΥ	AGE	
3	3		3		2m30s	
asterl ı	rs]# kuk	pectl	get <u>p</u>	oods	-o wid	е
F	READY	STATU	S	RES1	CARTS	AGE
Ĵ	1/1	Runni.	ng	0		10s
ĺ	1/1	Runni.	ng	0		10s
ĺ	1/1	Runni.	ng	0		10s
	DESIRED 3 aster1 i	DESIRED CURF	DESIRED CURRENT 3 3 aster1 rs]# kubect1 READY STATU 1/1 Runni 1/1 Runni	DESIRED CURRENT REAL 3 3 3 aster1 rs]# kubect1 get p READY STATUS 1/1 Running 1/1 Running	3 3 3 aster1 rs]# kubectl get pods READY STATUS REST 1/1 Running 0 1/1 Running 0	DESIRED CURRENT READY AGE 3 3 2m30s aster1 rs]# kubect1 get pods -o wide READY STATUS RESTARTS 1/1 Running 0 1/1 Running 0

[Scenario - 2]

Consider the following pod definition file:

apiVersion: v1
kind: Pod
metadata:
 name: newpod
 labels:
 role: web
spec:
 containers:
 - name: newpod

image: nginx

[Scenario - 3]

Consider a deployment nginx-deployment with following pods in the system, label selector for the pods in deployment is "role=web" and replica count is set to "4".

Following is the yaml for creating the deployment:

```
# fille: nginx-deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
  labels:
    role: web
spec:
  replicas: 4
  selector:
    matchLabels:
      role: web
    template:
      metadata:
        labels:
          role: web
      spec:
        containers:
        - name: nginx-app
         image: nginx
          ports:
          - containerPort: 80
```

Following are the pods and state of the deployment in the system

aster1	deployment];	# kubectl	l get	deployment						
DESIRE	ED CURRENT	UP-TO-	-DATE	<i>AVAILABLE</i>	AGE					
4	4	4		4	22s					
[kube-user@kube-master1 deployment]# kubect1 get pods										
		READY	STATU	S RESTARTS	AGE					
64bcf4	9956-6hb4z	1/1	Runni.	ng 0	47s					
64bcf4	9956-7t4mc	1/1	Runni.	ng 0	50s					
64bcf4	9956-c2p4b	1/1	Runni.	ng 0	50s					
64bcf4	9956-gwmhj	1/1	Runni.	ng 0	47s					
	DESIRN 4 aster1 64bcf4: 64bcf4:	DESIRED CURRENT 4 4	DESIRED CURRENT UP-TO- 4 4 4 aster1 deployment] # kubecti READY 64bcf49956-6hb4z 1/1 64bcf49956-7t4mc 1/1 64bcf49956-c2p4b 1/1	DESIRED CURRENT UP-TO-DATE 4 4 4 aster1 deployment]# kubectl get READY STATU 64bcf49956-6hb4z 1/1 Runni 64bcf49956-7t4mc 1/1 Runni 64bcf49956-c2p4b 1/1 Runni	4 4 4 4 4 aster1 deployment]# kubectl get pods READY STATUS RESTARTS 64bcf49956-6hb4z 1/1 Running 0 64bcf49956-7t4mc 1/1 Running 0 64bcf49956-c2p4b 1/1 Running 0					