DUMPSARENA

Certified Kubernetes Administrator (CKA) Program

Linux Foundation CKA

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QUESTION NO: 1 - (SIMULATION)

Delete persistent volume and persistent volume claim

ANSWER: See Explanation Below For Answer

Explanation:

kubectl delete pvc task-pv-claimkubectl delete pv task-pv-volume// VerifyKubectl get pv,pvc

QUESTION NO: 2 - (SIMULATION)

Create a redis pod, and have it use a non-persistent storage

Note: In exam, you will have access to kubernetes.io site,

Refer : https://kubernetes.io/docs/tasks/configure-pod-container/configurevolume-storage/

ANSWER: See Explanation Below For Answer

Explanation:

apiVersion: v1 kind: Pod

metadata: name: redis

spec:

containers:

- name: redis image: redis volumeMounts:

- name: redis-storage mountPath: /data/redis ports:

- containerPort: 6379 volumes:

- name: redis-storage emptyDir: {}

QUESTION NO: 3 - (SIMULATION)

Check the history of deployment

ANSWER: See Explanation Below For Answer

Explanation:

kubectl rollout history deployment webapp

QUESTION NO: 4 - (SIMULATION)

Label a node as app=test and verify

ANSWER: See Explanation Below For Answer

Explanation:

kubectl label node node-name app=test// Verifykubectl get no –show-labelskubectl get no -l app=test

QUESTION NO: 5 - (SIMULATION)

Get list of all pods in all namespaces and write it to file “/opt/pods-list.yaml”

ANSWER: See Explanation Below For Answer

Explanation:

kubectl get po –all-namespaces > /opt/pods-list.yaml

QUESTION NO: 6 - (SIMULATION)

Delete the pod without any delay (force delete)

ANSWER: See Explanation Below For Answer

Explanation:

Kubect1delete po “POD-NAME” --grace-period=0 --force

QUESTION NO: 7 - (SIMULATION)

Scale the deployment from 5 replicas to 20 replicas and verify

ANSWER: See Explanation Below For Answer

Explanation:

kubectl scale deploy webapp --replicas=20 kubectl get deploy webapp

kubectl get po -l app=webapp

QUESTION NO: 8 - (SIMULATION)

Check the Image version of nginx-dev pod using jsonpath

ANSWER: See Explanation Below For Answer

Explanation:

kubect1 get po nginx-dev -o jsonpath='{.spec.containers[].image}{"\n"}'

QUESTION NO: 9 - (SIMULATION)

Create a pod with environment variables as var1=value1.Check the environment variable in pod

ANSWER: See Explanation Below For Answer

Explanation:

kubectl run nginx --image=nginx --restart=Never --env=var1=value1 # then

kubectl exec -it nginx -- env # or

kubectl exec -it nginx -- sh -c 'echo $var1' # or

kubectl describe po nginx | grep value1

QUESTION NO: 10 - (SIMULATION)

Create a redis pod and expose it on port 6379

ANSWER: See Explanation Below For Answer

Explanation:

kubectl run redis --image=redis --restart=Never --port=6379YAML File :apiVersion: v1kind: Podmetadata:labels:run: redisname: redisspec:containers:- image: redisname: redisports:- containerPort: 6379Rt restartPolicy: Always