Free Questions for CKA by dumpshq

Shared by Mccoy on 18-01-2024

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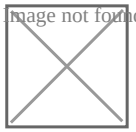
Question 1

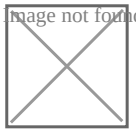
Question Type: MultipleChoice

Score: 7%

Task



Next, restore an existing, previous snapshot located at /var/lib/backup/etcd-snapshot-previo us.db



Options:

A) Explanation:

Solution:

#backup

ETCDCTL_API=3 etcdctl --endpoints='https://127.0.0.1:2379' --cacert=/opt/KUIN000601/ca.crt --cert=/opt/KUIN000601/etcd-client.crt --key=/opt/KUIN000601/etcd-client.key snapshot save /etc/data/etcd-snapshot.db
#restore
ETCDCTL_API=3 etcdctl --endpoints='https://127.0.0.1:2379' --cacert=/opt/KUIN000601/ca.crt --cert=/opt/KUIN000601/etcd-client.crt --key=/opt/KUIN000601/etcd-client.key snapshot restore /var/lib/backup/etcd-snapshot-previoys.db

Answer:

A

Question 2

Question Type: **CorrectText**

Print all pod name and all image name and write it to a file

name "/opt/pod-details.txt"

Answer:

Question 3

Question Type: CorrectText

Remove taint added to node "worker-2"

Answer:

Question 4

Question Type: MultipleChoice

Add a taint to node "worker-2" with effect as "NoSchedule" and

list the node with taint effect as "NoSchedule"

Options:

A) // Add taint to node 'worker-2'
kubectl taint nodes worker-2 key=value:NoSchedule

.items[*]}{.metadata.name} {.spec.taints[?(
@.effect=='NoSchedule')].effect}{\'\n\'}{end}' | awk 'NF==2
{print $0}'

B) // Add taint to node 'worker-2'
kubectl taint nodes worker-2 key=value:NoSchedule
// Verify
// Using "custom-coloumns" , you can customize which coloumn to
be printed
kubectl get nodes -o customcolumns=NAME:.metadata.name,TAINTS:.spec.taints --no-headers
// Using jsonpath
kubectl get nodes -o jsonpath='{range
.items[*]}{.metadata.name} {.spec.taints[?(
@.effect=='NoSchedule')].effect}{\'\n\'}{end}' | awk 'NF==2
{print $0}'

Answer:

B

Question 5

Question Type: **MultipleChoice**

Deploy a pod with image=redis on a node with label disktype=ssd

Options:

A) // Get list of nodes
kubectl get nodes
//Get node with the label disktype=ssd
kubectl get no -l disktype=ssd
// Create a sample yaml file
kubectl run node-redis --generator=run-pod/v1 --image=redis --dry
run -o yaml > test-redis.yaml
// Edit test-redis.yaml file and add nodeSelector
vim test-redis.yaml
apiVersion: v1
kind: Pod
metadata:
name: redis
spec:
nodeSelector:
disktype: ssd
containers:
- name: node-redis
image: redis
imagePullPolicy: IfNotPresent

kubectl apply -f test-redis.yaml
/ // Verify
K kubectl get po -o wide

B) // Get list of nodes
kubectl get nodes
//Get node with the label disktype=ssd
kubectl get no -l disktype=ssd
// Create a sample yaml file
kubectl run node-redis --generator=run-pod/v1 --image=redis --dry
run -o yaml > test-redis.yaml
// Edit test-redis.yaml file and add nodeSelector
vim test-redis.yaml
apiVersion: v1
- name: node-redis
image: redis
imagePullPolicy: IfNotPresent
kubectl apply -f test-redis.yaml
/ // Verify
K kubectl get po -o wide

Answer:

A

Question 6

Question Type: CorrectText

Label a node as app=test and verify

Answer:

Question 7

Question Type: MultipleChoice

Fix a node that shows as non-ready

Options:

A) Kubectl get nodes
// Check which node shows a not ready
kubectl describe nodes "node-name"

// Login to the node which shows as not ready and check the
process for kubelet, docker , kube-proxy.
// systemctl status kubelet (or) ps -aux | grep -i "processname"
// If the process is not started, then start using
systemctl start kubelet / docker
// Verify
ps -auxxww | grep -i "process-name"
kubectl get nodes

B) Kubectl get nodes
// Check which node shows a not ready
kubectl describe nodes "node-name"
// Login to the node which shows as not ready and check the
systemctl start kubelet / docker
// Verify
ps -auxxww | grep -i "process-name"
kubectl get nodes

Answer:

A

Question 8

Question Type: **MultipleChoice**

Get the number of schedulable nodes and write to a file

/opt/schedulable-nodes.txt

Options:

A) kubectl get nodes -o jsonpath='{range
.items[*]}{.metadata.name}
{.spec.taints[?(@.effect=='NoSchedule')].effect}{\'\n\'}{end}'
| awk 'NF==1 {print $0}' > /opt/schedulable-nodes.txt
// Verify
cat /opt/schedulable-nodes.txt

B) kubectl get nodes -o jsonpath='{range
.items[*]}{.metadata.name}
{.spec.taints[?(@.effect=='NoSchedule')].effect}{\'\n\'}{end}'
| awk 'NF==11 {print $0}' > /opt/schedulable-nodes.txt
// Verify
cat /opt/schedulable-nodes.txt

Answer:

A

Question 9

Question Type: CorrectText

Get list of PVs and order by size and write to file "/opt/pvstorage.txt"

Answer:

Question 10

Question Type: MultipleChoice

Install a kubernetes cluster with one master and one worker using kubeadm

Options:

A) This is a straightforward question, you need to install kubernetes cluster using kubeadm with one master and one worker.
Refer : https://kubernetes.io/docs/setup/production-environment/tools/kubeadm/

B) This is a straightforward question, you need to install kubernetes cluster using kubeadm with one master and one worker.

Installation is considered success once both master and worker
nodes become available.
Refer : https://kubernetes.io/docs/setup/production-environment/tools/kubeadm/

Answer:

B

Question 11

Question Type: MultipleChoice

Check nodes which are ready and print it to a file /opt/nodestatus

Options:

A) JSONPATH='{range .items[*]}{@.metadata.name}:{range
@.status.conditions[*]}{@.type}={@.status};{end}{end}' \
&& kubectl get nodes -o jsonpath='$JSONPATH' | grep
'Ready=True' > /opt/node-status
//Verify
cat /opt/node-status

B) JSONPATH='{range .items[*]}{@.metadata.name}:{range
@.status.conditions[*]}{@.type}={@.status};{end}{end}' \
//Verify
cat /opt/node-status

Answer:

A