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It has similar specifications to the Linux Foundation CKA desktop-based practice exam software, but it requires an internet connection. Our Linux Foundation CKA practice exam highlights mistakes at the end of each attempt, allowing you to overcome them before it's too late. This kind of approach is great for complete and flawless Linux Foundation CKA Test Preparation.

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New Release CKA Exam Questions- Linux Foundation CKA Dumps

Every user has rated study material positively and passed the CKA Exam. Braindumpsqa gives a guarantee to the customers that if they fail to pass the Certified Kubernetes Administrator (CKA) Program Exam (CKA) certification on the very first try despite all their efforts they can claim their money back according to terms and conditions. A team of experts is working day and night in order to make the product successful day by day and provide the customers with the best experience.

Linux Foundation Certified Kubernetes Administrator (CKA) program is a certification designed to test the knowledge and skills of individuals in the field of Kubernetes administration. Kubernetes is one of the most popular container orchestration platforms, and it is widely used by organizations to manage their containerized applications. The CKA program is developed and maintained by the Linux Foundation, which is a non-profit organization that promotes the use of open source technologies.

Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam Sample Questions (Q28-Q33):

NEW QUESTION # 28

List "nginx-dev" and "nginx-prod" pod and delete those pods

- A. `kubectl get pods -o wide`
`kubectl delete po "nginx-dev" kubectl delete po "nginx-prod"`
- B. `kubectl get pods -o wide`
`kubectl delete po "nginx-dev" kubectl delete po "nginx-prod"`

Answer: B

NEW QUESTION # 29

Create a Kubernetes secret as follows:

Name: super-secret

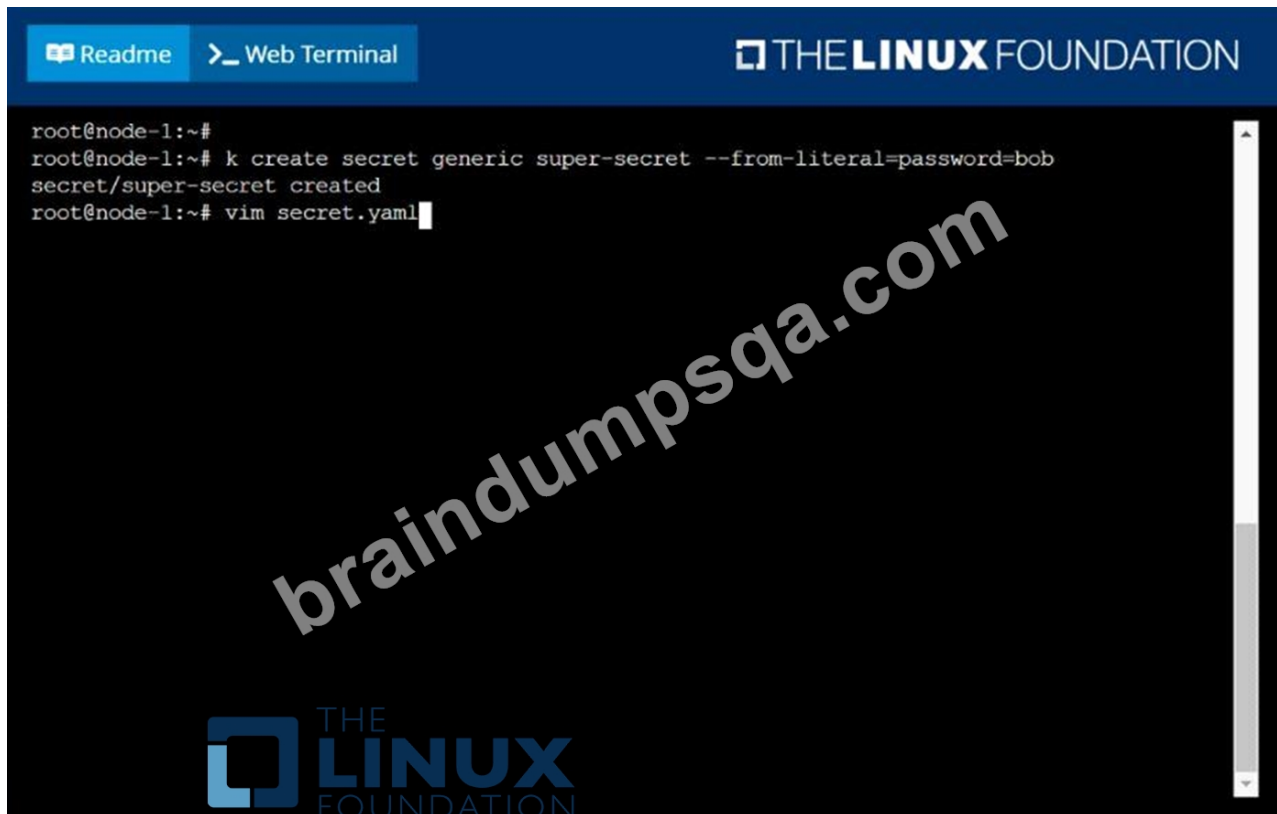
password: bob

Create a pod named pod-secrets-via-file, using the redis Image, which mounts a secret named super-secret at /secrets.

Create a second pod named pod-secrets-via-env, using the redis Image, which exports password as CONFIDENTIAL

Answer:

Explanation:
solution



The screenshot shows a web terminal window with a dark blue header. On the left, there are two buttons: "Readme" and "Web Terminal". On the right, the text "THE LINUX FOUNDATION" is displayed. The terminal content shows a series of commands and their outputs:

```
root@node-1:~#  
root@node-1:~# k create secret generic super-secret --from-literal=password=bob  
secret/super-secret created  
root@node-1:~# vim secret.yaml
```

A large, diagonal watermark "braindumpsqa.com" is overlaid across the terminal content. At the bottom left, there is a logo for "THE LINUX FOUNDATION" consisting of a stylized blue square and the text "THE LINUX FOUNDATION". A vertical scrollbar is visible on the right side of the terminal window.

Readme

Web Terminal

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```
apiVersion: v1
kind: Pod
metadata:
  name: pod-secrets-via-file
spec:
  containers:
  - name: redis
    image: redis
    volumeMounts:
    - name: foo
      mountPath: "/secrets"
  volumes:
  - name: foo
    secret:
      secretName: super-secret
~
~
~
~
~
~
~
~
~
:w
```

Readme

Web Terminal

THE **LINUX** FOUNDATION

```
root@node-1:~# k create -f secret.yaml
pod/pod-secrets-via-file created
root@node-1:~# vim secret1.yaml
root@node-1:~# k create -f secret1.yaml
pod/pod-secrets-via-env created
root@node-1:~# k get po
NAME                                READY    STATUS    RESTARTS   AGE
cpu-utilizer-98b9se                1/1      Running   0           6h25m
cpu-utilizer-ab2d3s                1/1      Running   0           6h25m
cpu-utilizer-kipb9a                1/1      Running   0           6h25m
ds-kusc00201-2r2k9                 1/1      Running   0           40m
ds-kusc00201-hzm9g                 1/1      Running   0           40m
foo                                1/1      Running   0           6h28m
front-end                           1/1      Running   0           6h27m
hungry-bear                         1/1      Running   0           36m
kucc8                               3/3      Running   0           34m
nginx-app-848cfcf495-9prjh         1/1      Running   0           19m
nginx-app-848cfcf495-g12kh         1/1      Running   0           19m
nginx-app-848cfcf495-pg2c8         1/1      Running   0           19m
nginx-kusc00101                    1/1      Running   0           26m
pod-secrets-via-env                 1/1      Running   0           4s
pod-secrets-via-file                1/1      Running   0           106s
webserver-84c55967f4-qzjcv         1/1      Running   0           6h43m
webserver-84c55967f4-t479l         1/1      Running   0           6h43m
root@node-1:~#
```

NEW QUESTION # 30

Answer:

Explanation:

Explanation

```
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml > nginx-pod.yaml
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml | kubectl create -
nengineering-f - YAML File:
apiVersion: v1
kind: Pod
metadata:
  name: nginx
  namespace: engineering
labels:
  env: test
spec:
  containers:
  - name: nginx
    image: nginx
    imagePullPolicy: IfNotPresent
    restartPolicy: Never
kubectl create -f nginx-pod.yaml
```

NEW QUESTION # 31

Quick Reference

HorizontalPodAutoscaler Walkthrough

Documentation ,

Horizontal Pod Autoscaling

, Deployment

You must connect to the correct host .

Failure to do so may result in a zero

score.

THE LINUX FOUNDATION

[candidate@base] \$ ssh cka000050

Task

Create a new HorizontalPodAutoscaler (HPA) named apache-server in the autoscale namespace. This HPA must target the existing Deployment called apache-server in the autoscale namespace.

Set the HPA to aim for 50% CPU usage per Pod . Configure it to have at least 1 Pod and no more than 4 Pods . Also, set the downscale stabilization window to 30 seconds.

Answer:

Explanation:

Task Summary

- * Create an HPA named apache-server in the autoscale namespace.
- * Target an existing deployment also named apache-server.
- * CPU target: 50%
- * Pod range: min 1, max 4
- * Downscale stabilization window: 30 seconds

Step-by-Step Answer

Step 1: Connect to the correct host

This is critical, as shown in the warning image.

```
ssh cka000050
```

Skipping this may result in zero for this question!

Step 2: Verify the deployment exists

```
kubectl get deployment apache-server -n autoscale
```

Make sure it's there before creating the HPA. If it's missing, the HPA won't bind correctly.

Step 3: Create the HPA

We will use the kubectl autoscale command for a quick setup, then patch it to add the stabilization window (since kubectl autoscale doesn't include it).

```
kubectl autoscale deployment apache-server \
```

```
--namespace autoscale \
```

```
--cpu-percent=50 \
```

```
--min=1 \
```

```
--max=4
```

Step 4: Add the downscale stabilization window

You'll need to patch the HPA to include the stabilization window of 30s.

Create a patch file called hpa-patch.yaml:

```
spec:
```

```
behavior:
```

```
scaleDown:
```

```
stabilizationWindowSeconds: 30
```

Apply the patch:

```
bash
```

```
CopyEdit
```

```
kubectl patch hpa apache-server \
```

```
-n autoscale \
```

```
--patch "$(cat hpa-patch.yaml)"
```

Step 5: Confirm your work

```
bash
```

```
CopyEdit
```

```
kubectl describe hpa apache-server -n autoscale
```

Look for:

* Min/Max Pods: 1/4

* Target CPU utilization: 50%

* Stabilization window: should appear under Behavior > ScaleDown

```
ssh cka000050
```

```
kubectl get deployment apache-server -n autoscale
```

```
kubectl autoscale deployment apache-server \
```

```
--namespace autoscale \
```

```
--cpu-percent=50 \
```

```
--min=1 \
```

```
--max=4
```

Patch to add stabilization window

```
cat <<EOF > hpa-patch.yaml
```

```
spec:
```

```
behavior:
```

```
scaleDown:
```

```
stabilizationWindowSeconds: 30
```

```
EOF
```

```
kubectl patch hpa apache-server -n autoscale --patch "$(cat hpa-patch.yaml)"
```

NEW QUESTION # 32

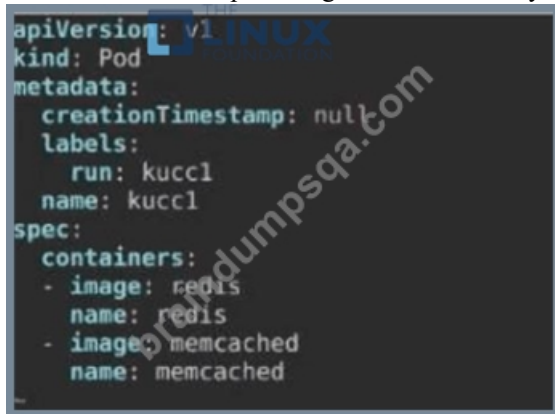
Schedule a Pod as follows:

```
. Name: kucc1
. App Containers : 2
. Container Name/Images :
* redis
* Memcached
```

Answer:

Explanation:

A screen shot of a computer AI-generated content may be incorrect.



```
apiVersion: v1
kind: Pod
metadata:
  creationTimestamp: null
  labels:
    run: kucc1
  name: kucc1
spec:
  containers:
  - image: redis
    name: redis
  - image: memcached
    name: memcached
```

NEW QUESTION # 33

.....

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