CKA Q&As

Certified Kubernetes Administrator (CKA) Program

Pass Linux Foundation CKA Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.pass2lead.com/cka.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Linux Foundation Official Exam Center

QUESTION 1

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

Correct Answer: Check the answer in explanation.

Solution

kubect1 get pods -o wide kubectl delete po "nginx-dev" kubectl delete po "nginx-prod"

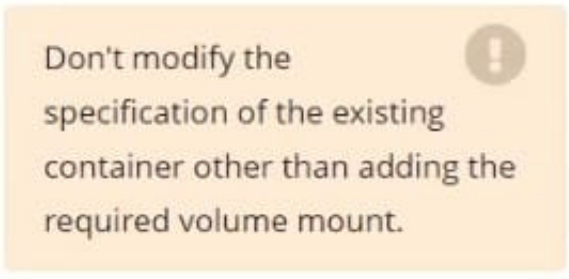
QUESTION 2

CORRECT TEXT

Context An existing Pod needs to be integrated into the Kubernetes built-in logging architecture (e.g.kubectl logs). Adding a streaming sidecar container is a good and common way to accomplish this requirement. Task

Add a sidecar container named sidecar, using the busybox Image, to the existing Pod big- corp-app. The new sidecar container has to run the following command:

/bin/sh -c tail -n+1 -f /va r/log/big-corp-app.log Use a Volume, mounted at /var/log, to make the log file big-corp-app.log available to the sidecar container.



Correct Answer: Check the answer in explanation.

kubectl get pod big-corp-app -o yaml # apiVersion: v1 kind: Pod metadata: name: big-corp-app spec: containers:

-name: big-corp-app

image: busybox

args:

-/bin/sh

- -c

->

i=0;

while true;

do

echo "$(date) INFO $i" >> /var/log/big-corp-app.log; i=$((i+1));

sleep 1;

done

volumeMounts:

-

name: logs

mountPath: /var/log

-

name: count-log-1

image: busybox

args: [/bin/sh, -c, \\'tail -n+1 -f /var/log/big-corp-app.log\\'] volumeMounts:

-

name: logs

mountPath: /var/log

volumes:

-

name: logs

emptyDir: {

}

kubectl logs big-corp-app -c count-log-1

QUESTION 3

SIMULATION

Create a Kubernetes secret as follows:

Name: super-secret

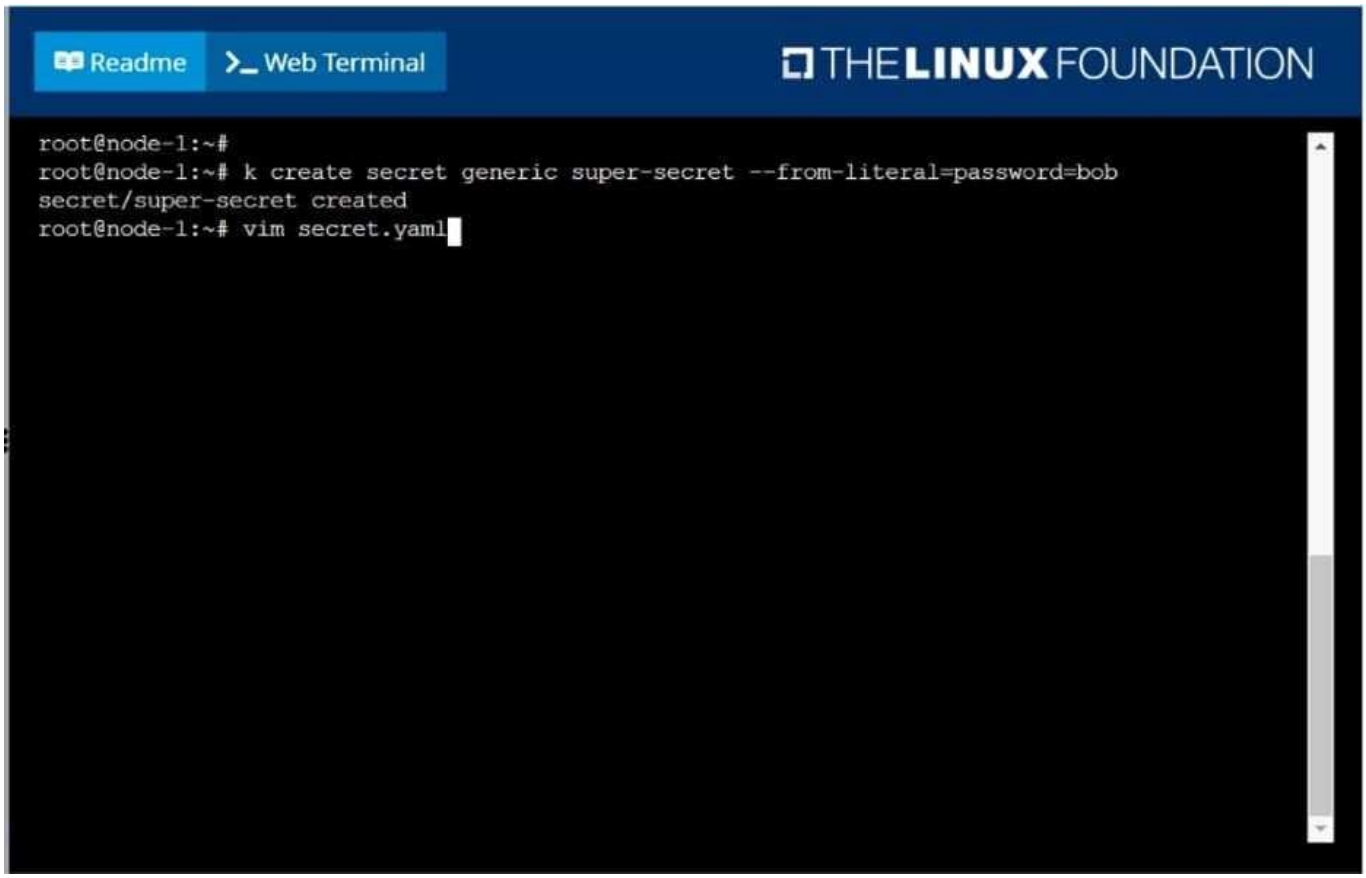
password: bob

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

Correct Answer: Check the answer in explanation.

Solution



Readme | Web Terminal — THE LINUX FOUNDATION

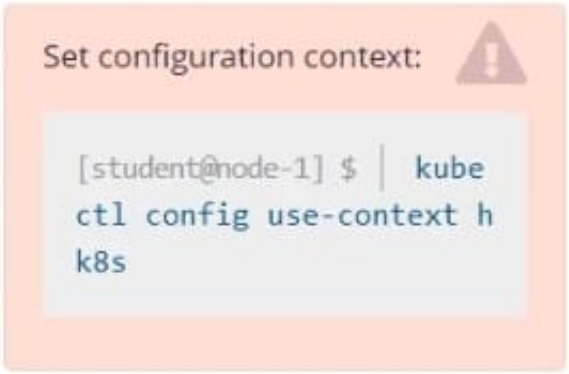
```
apiVersion: v1
kind: Pod
metadata:
  name: pod-secrets-via-file
spec:
  containers:
  - name: redis
    image: redis
    volumeMounts:
    - name: foo
      mountPath: "/secrets"
  volumes:
  - name: foo
    secret:
      secretName: super-secret
~
~
~
~
~
~
~
~
~
:w
```

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-hzm9q            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-gl2kh    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-t4791    1/1     Running   0          6h43m
root@node-1:~#
```

QUESTION 4

CORRECT TEXT



Task

Create a persistent volume with name app-data , of capacity 1Gi and access mode ReadOnlyMany. The type of volume is hostPath and its location is /srv/app-data .

Correct Answer:

#vi pv.yaml apiVersion: v1 kind: PersistentVolume metadata: name: app-config spec: capacity: storage: 1Gi accessModes:

-ReadOnlyMany hostPath: path: /srv/app-config # kubectl create -f pv.yaml

QUESTION 5

Create a nginx pod with label env=test in engineering namespace .

Correct Answer: Check the answer in 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 -n engineering -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