Quiz Linux Foundation - CKA - Certified Kubernetes Administrator (CKA) Program Exam Perfect Exam Learning

Both practice tests simulate the Linux Foundation CKA real exam environment and produce results of your attempts on the spot. In this way, you will be able to not only evaluate your progress but also overcome mistakes before the CKA actual examination. Windows computers support the Certified Kubernetes Administrator (CKA) Program Exam CKA desktop practice exam software. The Certified Kubernetes Administrator (CKA) Program Exam CKA web-based practice test needs an active internet connection.

Linux Foundation CKA: Certified Kubernetes Administrator (CKA) Program is a certification program that tests the skills and knowledge of individuals in managing and administering Kubernetes clusters. Kubernetes is an open-source container orchestration platform that is widely used in the industry for automating deployment, scaling, and management of containerized applications. The CKA program is designed to validate an individual's ability to design, configure, and manage Kubernetes clusters.

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Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam Sample Questions (Q31-Q36):

NEW QUESTION # 31
Create a deployment called webapp with image nginx having 5 replicas in it, put the file in /tmp directory with named webapp.yaml

- A. //Create a file using dry run command
  kubectl create deploy --image=nginx --dry-run -o yaml >
  /tmp/webapp.yaml
  // Now, edit file webapp.yaml and update replicas=5
  apiVersion: apps/v1
  kind: Deployment
  metadata:
  labels:
  app: webapp
  name: webapp
  spec:
  replicas: 5
  selector:
  matchLabels:
  app: webapp
  template:
  metadata:
  labels:
  app: webapp
  spec:
  containers:
  - image: nginx
  name: nginx
  Note: Search "deployment" in kubernetes.io site , you will get
  the page
  https://kubernetes.io/docs/concepts/workloads/controllers/deplo
  yment/
  // Verify the Deployment
  kubectl get deploy webapp --show-labels
  // Output the YAML file of the deployment webapp
  kubectl get deploy webapp -o yaml
- B. //Create a file using dry run command
  kubectl create deploy --image=nginx --dry-run -o yaml >
  /tmp/webapp.yaml
  // Now, edit file webapp.yaml and update replicas=5
  apiVersion: apps/v1
  kind: Deployment
  metadata:
  labels:
  app: webapp
  name: webapp
  spec:
  replicas: 5
  selector:
  matchLabels:
  app: webapp
  template:
  metadata:
  labels:
  Note: Search "deployment" in kubernetes.io site , you will get
  the page
  https://kubernetes.io/docs/concepts/workloads/controllers/deplo
  yment/
  // Verify the Deployment
  kubectl get deploy webapp --show-labels
  // Output the YAML file of the deployment webapp
  kubectl get deploy webapp -o yaml

Answer: A

NEW QUESTION # 32
List "nginx-dev" and "nginx-prod" pod and delete those pods

Answer:

Explanation:
See the solution below.
Explanation
kubect1 get pods -o wide
kubectl delete po "nginx-dev"kubectl delete po "nginx-prod"

NEW QUESTION # 33
Install a kubernetes cluster with one master and one worker using kubeadm

- A. 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/
- B. 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/

Answer: A

NEW QUESTION # 34
Create a file called "config.txt" with two values key1=value1
and key2=value2. Then create a configmap named "keyvalcfgmap" andread data from the file "config.txt" and verify that configmap
is created correctly

- A. cat >> config.txt << EOF
  key1=value1
  key2=value2
  EOF
  cat config.txt
  // Create configmap from "config.txt" file
  kubectl create cm keyvalcfgmap --from-file=config.txt
  //Verify
  kubectl get cm keyvalcfgmap -o yaml
- B. cat >> config.txt << EOF
  key1=value1
  key2=value2
  EOF
  kubectl create cm keyvalcfgmap --from-file=config.txt
  //Verify
  kubectl get cm keyvalcfgmap -o yaml

Answer: A

NEW QUESTION # 35
Perform the following tasks:
* Add an init container tohungry-bear(which has beendefined in spec file
/opt/KUCC00108/pod-spec-KUCC00108.yaml)
* The init container should createan empty file named/workdir/calm.txt
* If/workdir/calm.txtis notdetected, the pod should exit
* Once the spec file has beenupdatedwith the init containerdefinition, the pod should becreated

Answer:

Explanation:

See the solution below.
Explanation
solution
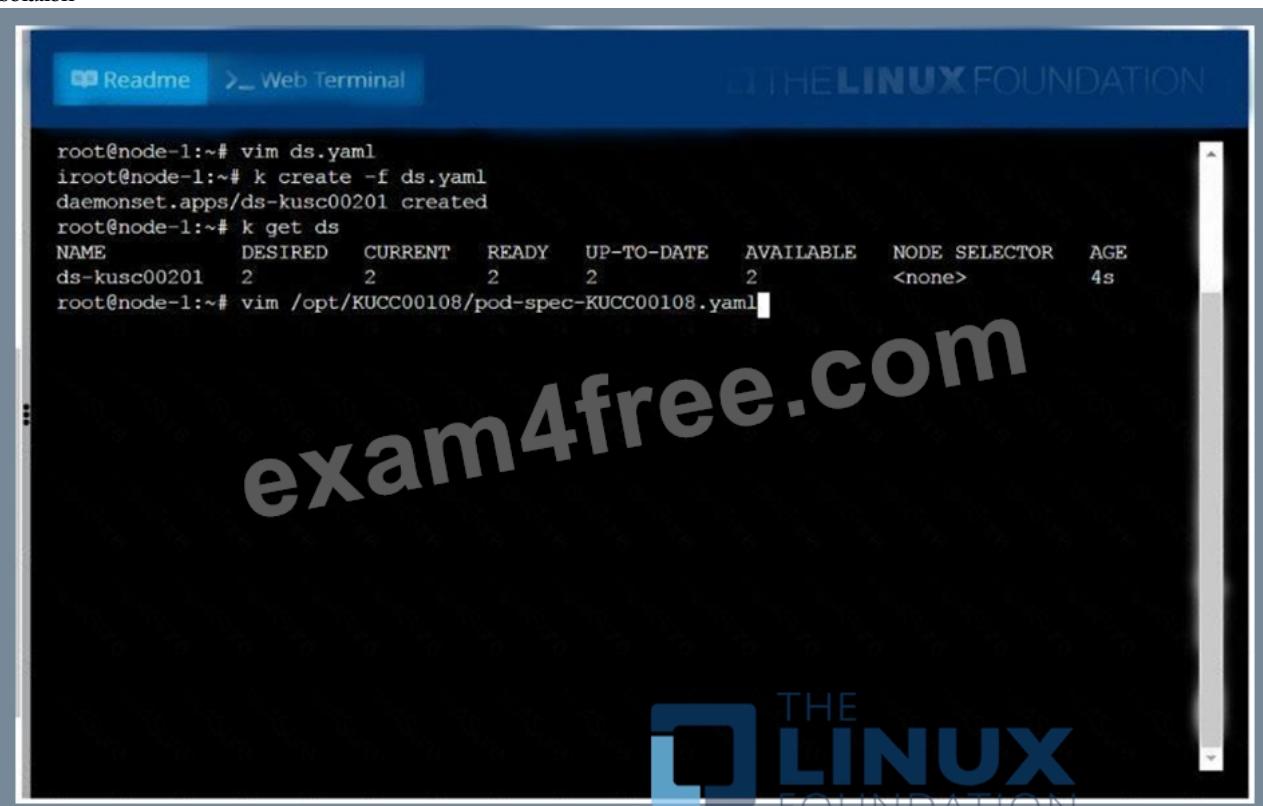
```
root@node-1:~# vim ds.yaml
iroot@node-1:~# k create -f ds.yaml
daemonset.apps/ds-kusc00201 created
root@node-1:~# k get ds
NAME            DESIRED   CURRENT   READY   UP-TO-DATE   AVAILABLE   NODE SELECTOR   AGE
ds-kusc00201    2         2         2       2            2           <none>          4s
root@node-1:~# vim /opt/KUCC00108/pod-spec-KUCC00108.yaml
```

```
apiVersion: v1
kind: Pod
metadata:
  name: hungry-bear
spec:
  volumes:
    - name: workdir
      emptyDir:
  containers:
  - name: checker
    image: alpine
    command: ["/bin/sh", "-c", "if [ -f /workdir/calm.txt ];
            then sleep 100000; else exit 1; fi"]
    volumeMounts:
    - name: workdir
      mountPath: /workdir
  initContainers:
  - name: create
    image: alpine
    command: ["/bin/sh", "-c", "touch /workdir/calm.txt"]
    volumeMounts:
    - name: workdir
      mountPath: /workdir
:wq
```
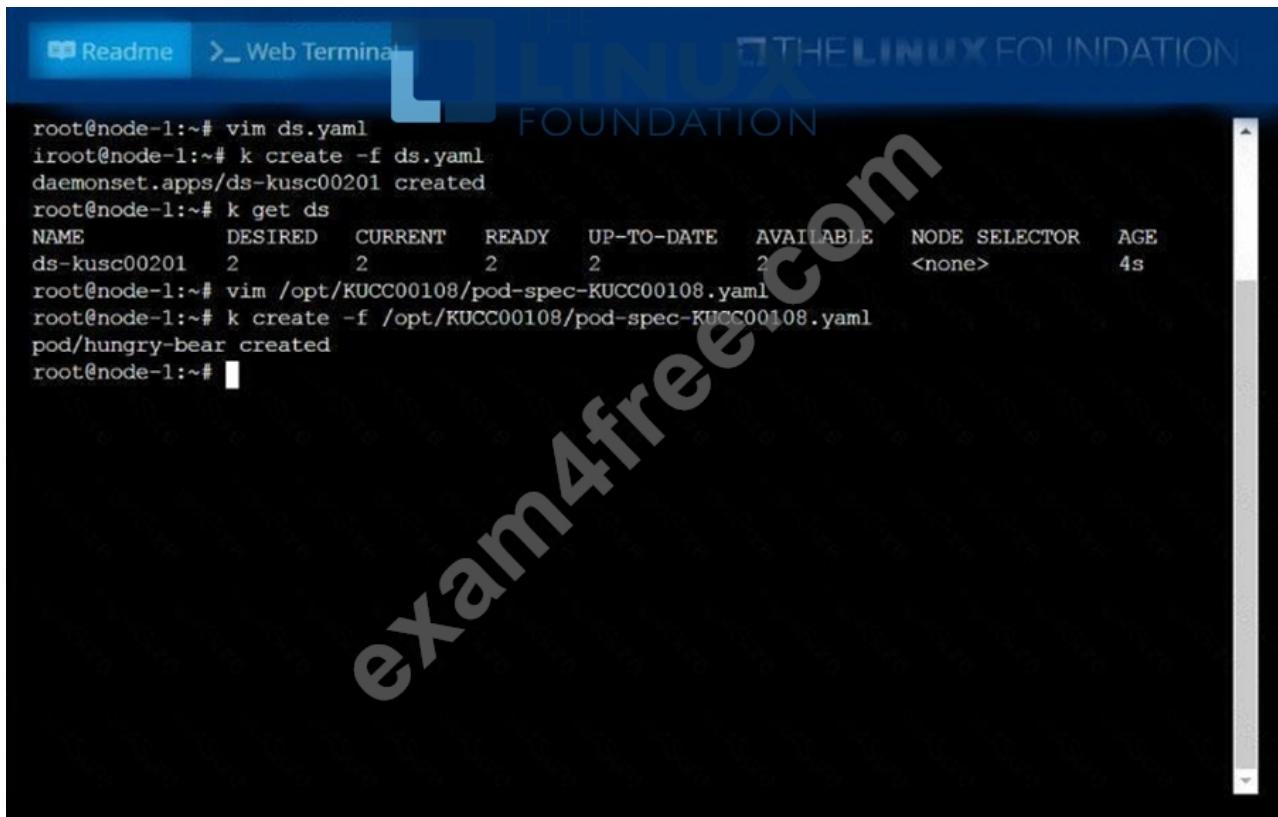
```
root@node-1:~# vim ds.yaml
iroot@node-1:~# k create -f ds.yaml
daemonset.apps/ds-kusc00201 created
root@node-1:~# k get ds
NAME              DESIRED    CURRENT    READY    UP-TO-DATE    AVAILABLE    NODE SELECTOR    AGE
ds-kusc00201      2          2          2        2             2            <none>           4s
root@node-1:~# vim /opt/KUCC00108/pod-spec-KUCC00108.yaml
root@node-1:~# k create -f /opt/KUCC00108/pod-spec-KUCC00108.yaml
pod/hungry-bear created
root@node-1:~#
```

NEW QUESTION # 36

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Just like the old saying goes, there is no royal road to success, and only those who do not dread the fatiguing climb of gaining its numinous summits. In a similar way, there is no smoothly paved road to the CKA certification. You have to work on it and get started from now. If you want to gain the related certification, it is very necessary that you are bound to spend some time on carefully preparing for the CKA Exam, including choosing the convenient and practical study materials, sticking to study and keep an optimistic attitude and so on.

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