

Exam Linux Foundation CKA Registration - Exam CKA Voucher



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The CKA exam is designed to test the knowledge and proficiency of professionals in Kubernetes administration. CKA exam consists of a set of performance-based tasks that assess the candidate's ability to deploy, configure, manage, and troubleshoot Kubernetes clusters. CKA exam is conducted online and requires candidates to complete a set of practical tasks within a specified time frame. CKA exam covers a wide range of Kubernetes administration topics, including cluster architecture, networking, storage, security, and troubleshooting.

Linux Foundation Certified Kubernetes Administrator (CKA) program certification exam is a highly recognized and sought-after certification in the field of container orchestration. Designed for IT professionals who have experience in deploying, administering, and maintaining Kubernetes clusters, CKA Certification is a key indicator of one's proficiency in Kubernetes.

>> Exam Linux Foundation CKA Registration <<

2026 Exam CKA Registration - Latest Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam - Exam CKA Voucher

The Certified Kubernetes Administrator (CKA) Program Exam (CKA) certification is one of the hottest career advancement credentials in the modern Linux Foundation world. The Linux Foundation CKA certification can help you to demonstrate your expertise and knowledge level. With only one badge of CKA Certification, successful candidates can advance their careers and increase their earning potential.

The CKA Certification Exam is a rigorous, performance-based assessment designed to evaluate an individual's knowledge and ability to install, configure, and manage Kubernetes clusters. CKA exam is conducted in a live, lab-based environment, which ensures that candidates have hands-on experience with Kubernetes and are able to demonstrate their proficiency in a real-world setting.

Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam Sample Questions (Q41-Q46):

NEW QUESTION # 41

A Kubernetes worker node, named `node1`, is in a state where it is not ready. Investigate why this is the case, and perform any appropriate steps to bring the node to a state, ensuring that any changes are made permanent. You can ssh to the failed node using:

[student@node-1] \$ | ssh wk8s-node-0

You can assume elevated privileges on the node with the following command:

[student@wk8s-node-0] \$ | sudo -i

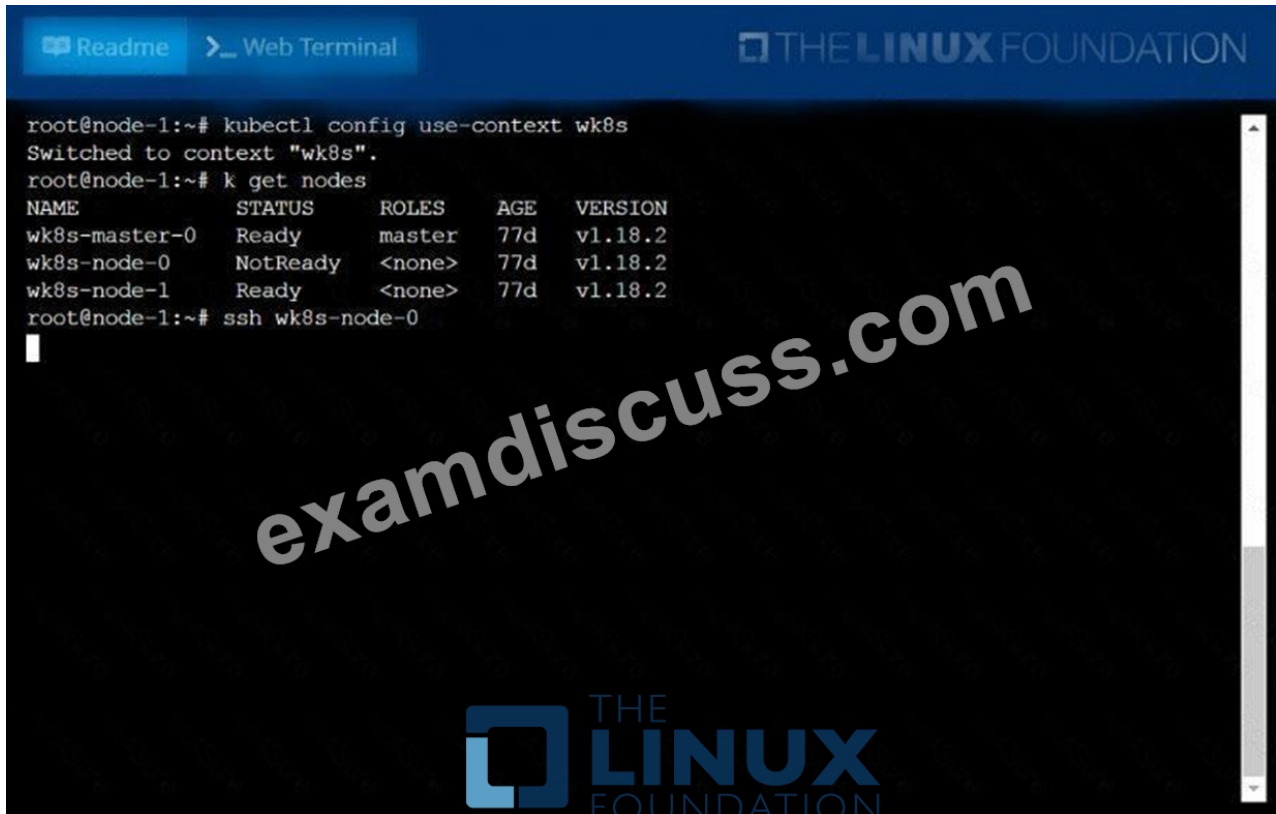
Answer:

Explanation:

See the solution below.

Explanation

solution

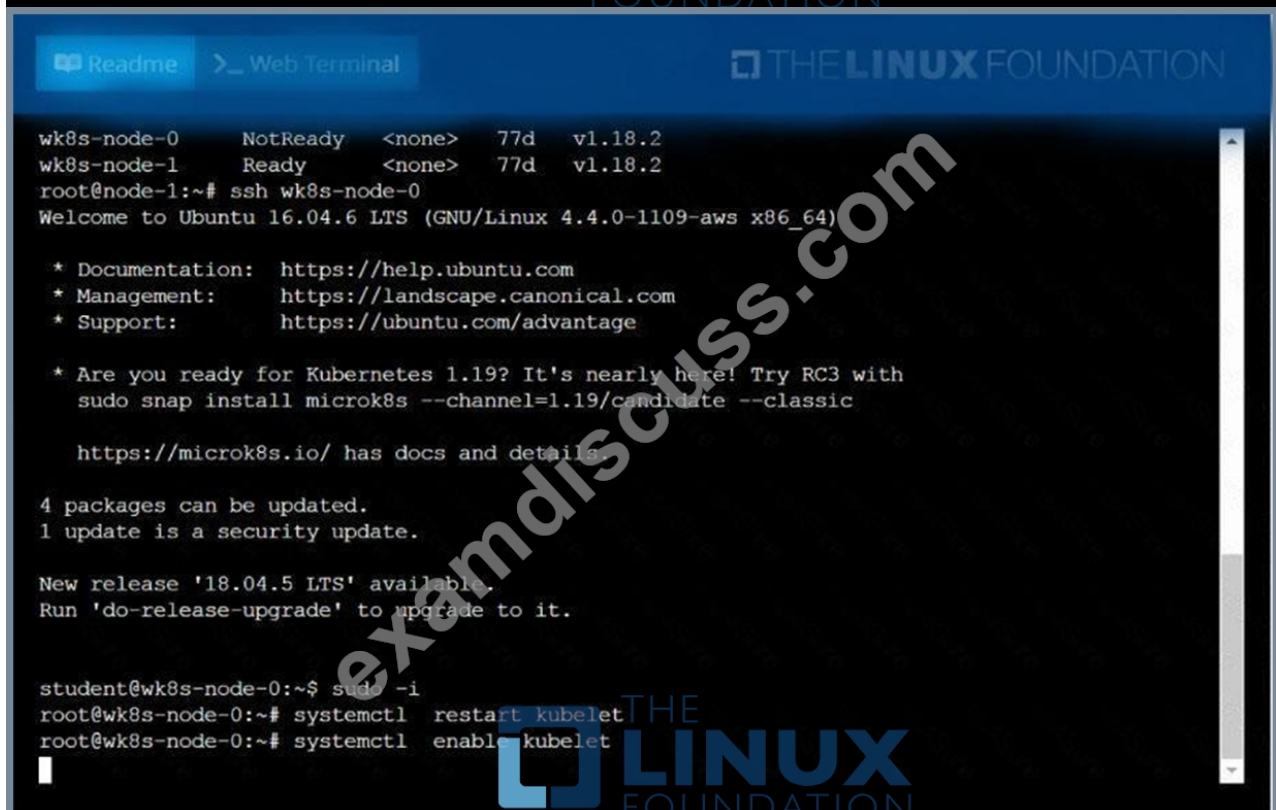


The screenshot shows a web terminal window with a blue header bar containing "Readme" and "Web Terminal" tabs, and "THE LINUX FOUNDATION" logo. The terminal output shows the following commands and results:

```
root@node-1:~# kubectl config use-context wk8s
Switched to context "wk8s".
root@node-1:~# k get nodes
```

NAME	STATUS	ROLES	AGE	VERSION
wk8s-master-0	Ready	master	77d	v1.18.2
wk8s-node-0	NotReady	<none>	77d	v1.18.2
wk8s-node-1	Ready	<none>	77d	v1.18.2

```
root@node-1:~# ssh wk8s-node-0
```



The screenshot shows a web terminal window with a blue header bar containing "Readme" and "Web Terminal" tabs, and "THE LINUX FOUNDATION" logo. The terminal output shows the following commands and results:

```
wk8s-node-0      NotReady  <none>   77d    v1.18.2
wk8s-node-1      Ready     <none>   77d    v1.18.2
root@node-1:~# ssh wk8s-node-0
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1109-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Are you ready for Kubernetes 1.19? It's nearly here! Try RC3 with
   sudo snap install microk8s --channel=1.19/candidate --classic
   https://microk8s.io/ has docs and details.

4 packages can be updated.
1 update is a security update.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

student@wk8s-node-0:~$ sudo -i
root@wk8s-node-0:~# systemctl restart kubelet
root@wk8s-node-0:~# systemctl enable kubelet
```

```
Readme Web Terminal THE LINUX FOUNDATION

https://microk8s.io/ has docs and details.

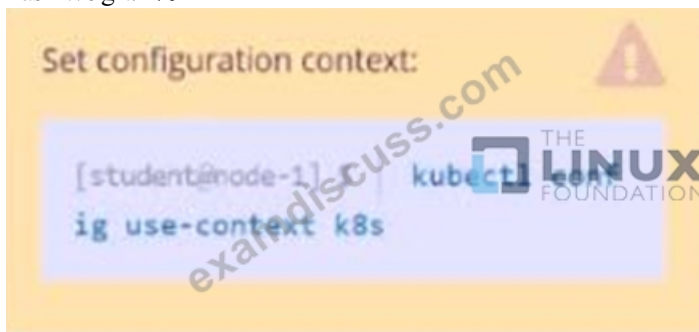
4 packages can be updated.
1 update is a security update.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

student@wk8s-node-0:~$ sudo -i
root@wk8s-node-0:~# systemctl restart kubelet
root@wk8s-node-0:~# systemctl enable kubelet
Created symlink from /etc/systemd/system/multi-user.target.wants/kubelet.service to /lib/systemd/system/kubelet.service.
root@wk8s-node-0:~# exit
logout
student@wk8s-node-0:~$ exit
logout
Connection to 10.250.5.34 closed.
root@node-1:~# k get nodes
NAME          STATUS    ROLES    AGE   VERSION
wk8s-master-0 Ready     master   77d   v1.18.2
wk8s-node-0   Ready     <none>    77d   v1.18.2
wk8s-node-1   Ready     <none>    77d   v1.18.2
root@node-1:~#
```

NEW QUESTION # 42

Task Weight: 4%



Task

Schedule a Pod as follows:

- * Name: kucc1
- * App Containers: 2
- * Container Name/Images:
 - o nginx
 - o consul

Answer:

Explanation:

Solution:

```
student@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
student@node-1:~$ kubectl run kucc1 --image nginx --dry-run=client -o yaml > aa.y
```

```
Readme Web Terminal THE LINUX FOUNDATION

apiVersion: v1
kind: Pod
metadata:
  labels:
    run: kucc1
    name: kucc1
spec:
  containers:
  - image: nginx
    name: nginx
  - image: consul
    name: consul

student@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
student@node-1:~$ kubectl run kucc1 --image=nginx --dry-run=client -o yaml > aa.yaml
student@node-1:~$ vim aa.yaml
student@node-1:~$ kubectl create -f aa.yaml
pod/kucc1 created
student@node-1:~$ kubectl get pods
NAME                                READY   STATUS              RESTARTS   AGE
ll-factor-app                       1/1     Running             0           6h34m
cpu-loader-98b9se                   1/1     Running             0           6h33m
cpu-loader-ab2d3s                   1/1     Running             0           6h33m
cpu-loader-kipb9a                   1/1     Running             0           6h33m
foobar                              1/1     Running             0           6h34m
front-end-6bc87b9748-24rcm          1/1     Running             0           5m4s
front-end-6bc87b9748-hd5wp          1/1     Running             0           5m2s
kucc1                               0/2     ContainerCreating   0           3s
nginx-kusc00401                     1/1     Running             0           2m28s
webserver-84c89dfd75-2dljn          1/1     Running             0           6h38m
webserver-84c89dfd75-8d8x2          1/1     Running             0           6h38m
webserver-84c89dfd75-z5zz4          1/1     Running             0           3m51s
student@node-1:~$
```

NEW QUESTION # 43

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

- A. `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`
- B. `kubectl run nginx --image=nginx --restart=Never --env=var1=value1`
then
`kubectl exec -it nginx -- env`
or
`kubectl describe po nginx | grep value1`

Answer: A

Get list of all the nodes with labels

Explanation:
kubectl get nodes --show-labels

Create a busybox pod and add "sleep 3600" command

Explanation:
See the solution below.

Explanation

```
kubectrl run busybox --image=busybox --restart=Never -- /bin/sh -c  
"sleep 3600"
```

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[illegible]

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