DBCLOUD
EXAMS

QUESTIONS & ANSWERS

verified



Technology Provider: The Linux Foundation

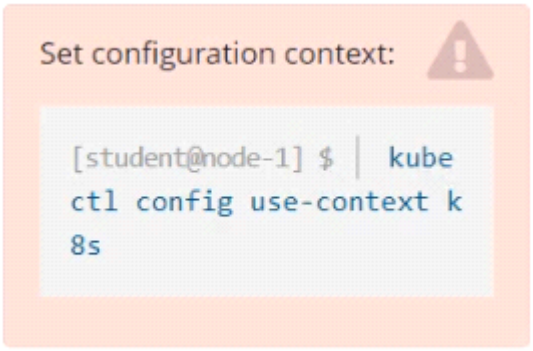
Exam: Certified Kubernetes Administrator (CKA)

Number of questions in the database: 100

Exam Version: NOV.2026

Question #1Topic 1

Score: 4%



Task

Check to see how many nodes are ready (not including nodes tainted NoSchedule) and write the number to /opt/KUSC00402/kusc00402.txt.

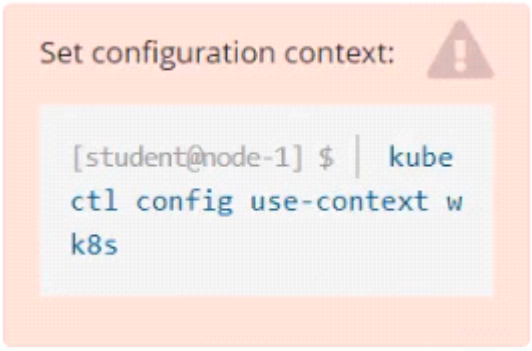
Explanation:
Solution:

kubectl describe nodes | grep ready|wc -l
kubectl describe nodes | grep -i taint | grep -i noschedule |wc -l
echo 3 > /opt/KUSC00402/kusc00402.txt
#
kubectl get node | grep -i ready |wc -l
taintsnoSchedule
kubectl describe nodes | grep -i taints | grep -i noschedule |wc -l
#
echo 2 > /opt/KUSC00402/kusc00402.txt

Question #2Topic 1

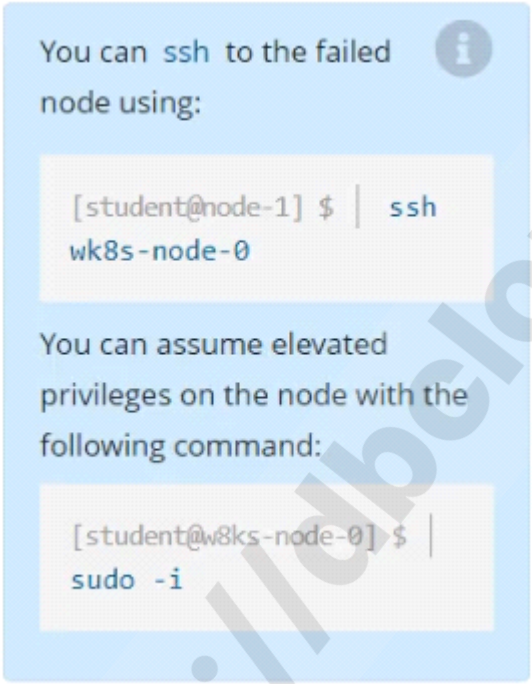
Score: 13%

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Task

A Kubernetes worker node, named wk8s-node-0 is in state NotReady. Investigate why this is the case, and perform any appropriate steps to bring the node to a Ready state, ensuring that any changes are made permanent.

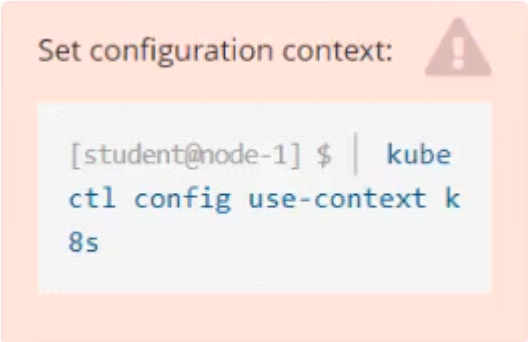


Explanation:
Solution:
sudo -i
systemctl status kubelet
systemctl start kubelet
systemctl enable kubelet

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Question #3Topic 1

Score: 5%



Task

From the pod label name=cpu-utilizer, find pods running high CPU workloads and write the name of the pod consuming most CPU to the file /opt/KUTR00401/KUTR00401.txt (which already exists).

Explanation:
Solution:
kubectl top -l name=cpu-user -A
echo 'pod name' >> /opt/KUT00401/KUT00401.txt

Question #4Topic 1

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

Explanation:

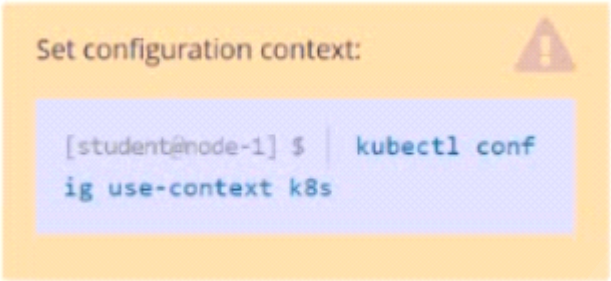
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml > nginx-pod.yaml
kubectl run nginx --image=nginx --restart=Never --labels=env=test --namespace=engineering --dry-run -o yaml | kubectl create -n engineering -f --
YAML File:
apiVersion: v1
kind: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

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- name: nginx
image: nginx
imagePullPolicy: IfNotPresent
restartPolicy: Never
kubectl create -f nginx-pod.yaml

Question #5Topic 1

Task Weight: 4%



Task

Schedule a Pod as follows:

* Name: kucc1

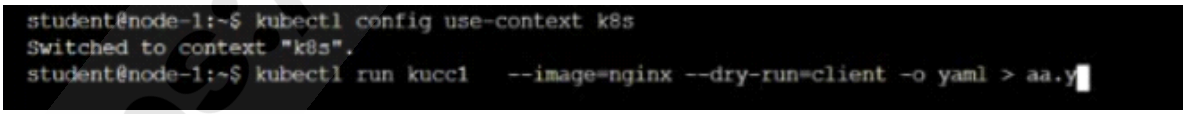
* App Containers: 2

* Container Name/Images:

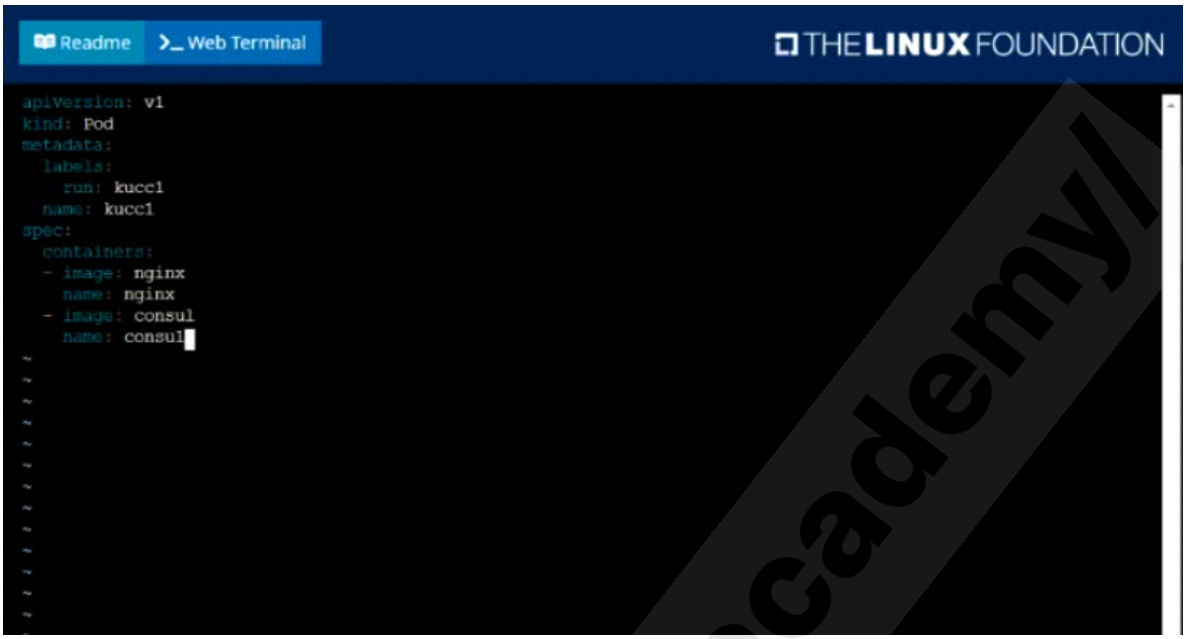
o nginx

o consul

Explanation:
Solution:



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```
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
11-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:~$
```

Question #6Topic 1

Score: 7%

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