

# Linux-Foundation

## Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program



**NEW QUESTION 1**

CORRECT TEXT

Create a pod with image nginx called nginx and allow traffic on port 80

- A. Mastered
- B. Not Mastered

**Answer:** A

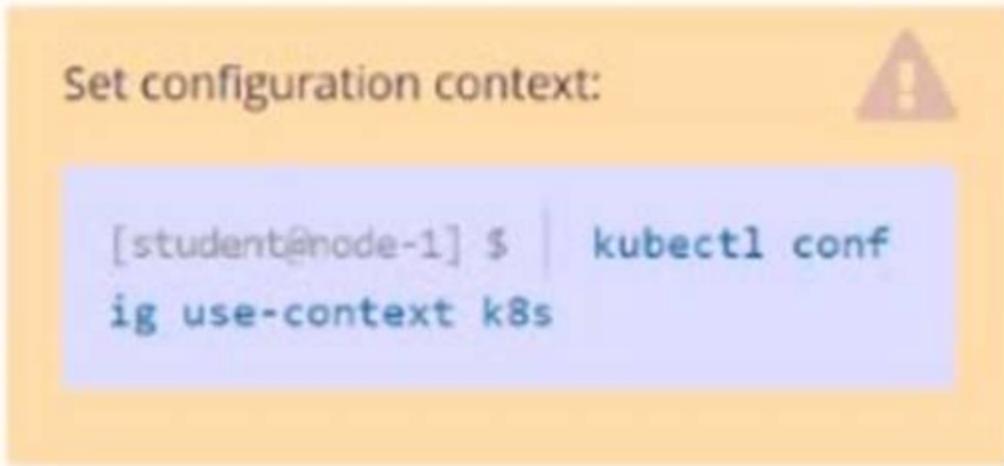
**Explanation:**

kubectl run nginx --image=nginx --restart=Never --port=80

**NEW QUESTION 2**

CORRECT TEXT

Task Weight: 4%



Task

Schedule a Pod as follows:

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**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
```



Graphical user interface, text, application  
 Description automatically generated

```
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-84c89dfd75-2d1jn  1/1     Running             0           6h38m
webserver-84c89dfd75-8d8x2  1/1     Running             0           6h38m
webserver-84c89dfd75-z5zz4  1/1     Running             0           3m51s
student@node-1:~$
```

Text Description automatically generated

### NEW QUESTION 3

CORRECT TEXT

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.

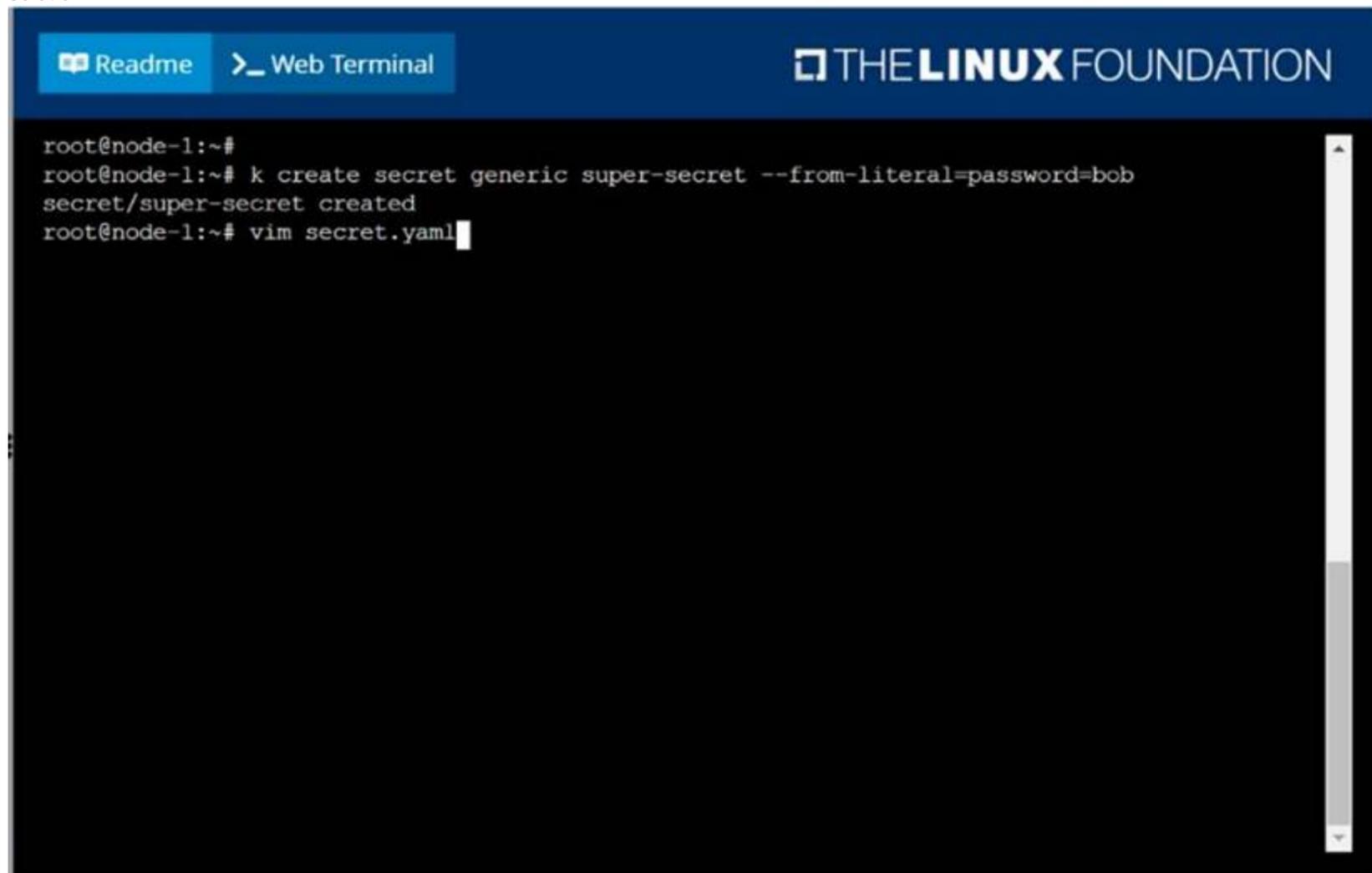
Create a second pod named pod-secrets-via-env, using the redis Image, which exports password as CONFIDENTIAL

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution



```

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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

```

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```

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

```

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```

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:~# █

```

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**NEW QUESTION 4**

CORRECT TEXT

Get IP address of the pod – “nginx-dev”

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Kubect1 get po -o wide  
 Using JsonPath  
 kubect1 get pods -o=jsonpath='{range items[\*]}{.metadata.name}{\t}{.status.podIP}{\n}{end}'

**NEW QUESTION 5**

CORRECT TEXT

Score: 7%

Set configuration context: 

```
[student@node-1] $ | kube
ctl config use-context m
k8s
```

**Task**

Given an existing Kubernetes cluster running version 1.20.0, upgrade all of the Kubernetes control plane and node components on the master node only to version 1.20.1.

Be sure to drain the master node before upgrading it and uncordon it after the upgrade.

You can ssh to the master node using: 

```
[student@node-1] $ | ssh
mk8s-master-0
```

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

```
[student@mk8s-master-0] |
$
sudo -i
```

You are also expected to upgrade kubelet and kubectl on the master node.

Do not upgrade the worker nodes, etcd, the container manager, the CNI plugin, the DNS service or any other addons. 

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

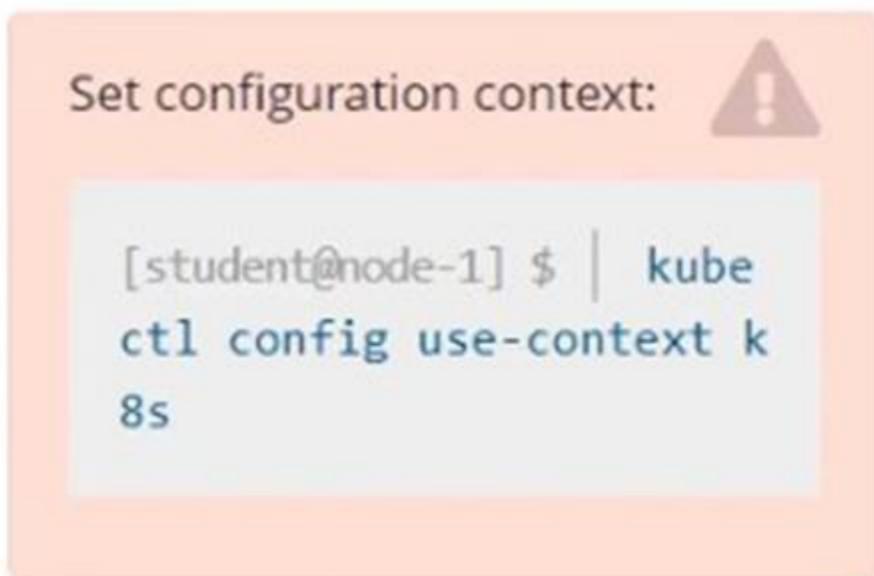
SOLUTION:

```
[student@node-1] > ssh ek8s
kubectl cordon k8s-master
kubectl drain k8s-master --delete-local-data --ignore-daemonsets --force
apt-get install kubeadm=1.20.1-00 kubelet=1.20.1-00 kubectl=1.20.1-00 --
disableexcludes=kubernetes
kubeadm upgrade apply 1.20.1 --etcd-upgrade=false
systemctl daemon-reload
systemctl restart kubelet kubectl
uncordon k8s-master
```

**NEW QUESTION 6**

CORRECT TEXT

Score: 4%



Context

You have been asked to create a new ClusterRole for a deployment pipeline and bind it to a specific ServiceAccount scoped to a specific namespace.

Task

Create a new ClusterRole named deployment-clusterrole, which only allows to create the following resource types:

- Deployment
- StatefulSet
- DaemonSet

Create a new ServiceAccount named cicd-token in the existing namespace app-team1. Bind the new ClusterRole deployment-clusterrole to the new ServiceAccount cicd-token, limited to the namespace app-team1.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

Task should be complete on node k8s -1 master, 2 worker for this connect use command [student@node-1] > ssh k8s

```
kubectl create clusterrole deployment-clusterrole --verb=create -- resource=deployments,statefulsets,daemonsets
```

```
kubectl create serviceaccount cicd-token --namespace=app-team1
```

```
kubectl create rolebinding deployment-clusterrole --clusterrole=deployment-clusterrole -- serviceaccount=default:cicd-token --namespace=app-team1
```

**NEW QUESTION 7**

CORRECT TEXT

Create a deployment as follows:

? Name: nginx-random

? Exposed via a service nginx-random

? Ensure that the service & pod are accessible via their respective DNS records

? The container(s) within any pod(s) running as a part of this deployment should use the nginx Image

Next, use the utility nslookup to look up the DNS records of the service & pod and write the output to /opt/KUNW00601/service.dns and /opt/KUNW00601/pod.dns respectively.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

```

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root@node-1:~#
root@node-1:~# k create deploy nginx-random --image=nginx
deployment.apps/nginx-random created
root@node-1:~# k expose deploy nginx-random --name=nginx-random --port=80 --target-port=80
service/nginx-random exposed
root@node-1:~# vim dns.yaml

```

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```

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apiVersion: v1
kind: Pod
metadata:
  name: busybox1
  labels:
    name: busybox
spec:
  containers:
  - image: busybox:1.28
    command:
      - sleep
      - "3600"
    name: busybox

```

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[Web Terminal](#)
THE LINUX FOUNDATION

```

root@node-1:~# k create deploy nginx-random --image=nginx
deployment.apps/nginx-random created
root@node-1:~# k expose deploy nginx-random --name=nginx-random --port=80 --target-port=80
service/nginx-random exposed
root@node-1:~# vim dns.yaml
root@node-1:~# k create -f dns.yaml
pod/busybox1 created
root@node-1:~# k get po -o wide | grep nginx-random
nginx-random-6d5766bbdc-ptzv2 1/1 Running 0 103s 10.244.2.16 k8s-node-
1 <none> <none>
root@node-1:~# k exec -it busybox1 -- nslookup nginx-random
Server: 10.96.0.10
Address 1: 10.96.0.10 kube-dns.kube-system.svc.cluster.local

Name: nginx-random
Address 1: 10.111.37.132 nginx-random.default.svc.cluster.local
root@node-1:~# k exec -it busybox1 -- nslookup nginx-random > /opt/KUNW00601/service.dns
root@node-1:~# k exec -it busybox1 -- nslookup 10-244-2-16.default.pod
Server: 10.96.0.10
Address 1: 10.96.0.10 kube-dns.kube-system.svc.cluster.local

Name: 10-244-2-16.default.pod
Address 1: 10.244.2.16 10-244-2-16.nginx-random.default.svc.cluster.local
root@node-1:~# k exec -it busybox1 -- nslookup 10-244-2-16.default.pod > /opt/KUNW00601/pod
.dns
    
```

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**NEW QUESTION 8**

CORRECT TEXT

Create a deployment spec file that will:

? Launch 7 replicas of the nginx Image with the labelapp\_runtime\_stage=dev

? deployment name: kual00201

Save a copy of this spec file to /opt/KUAL00201/spec\_deployment.yaml

(or /opt/KUAL00201/spec\_deployment.json).

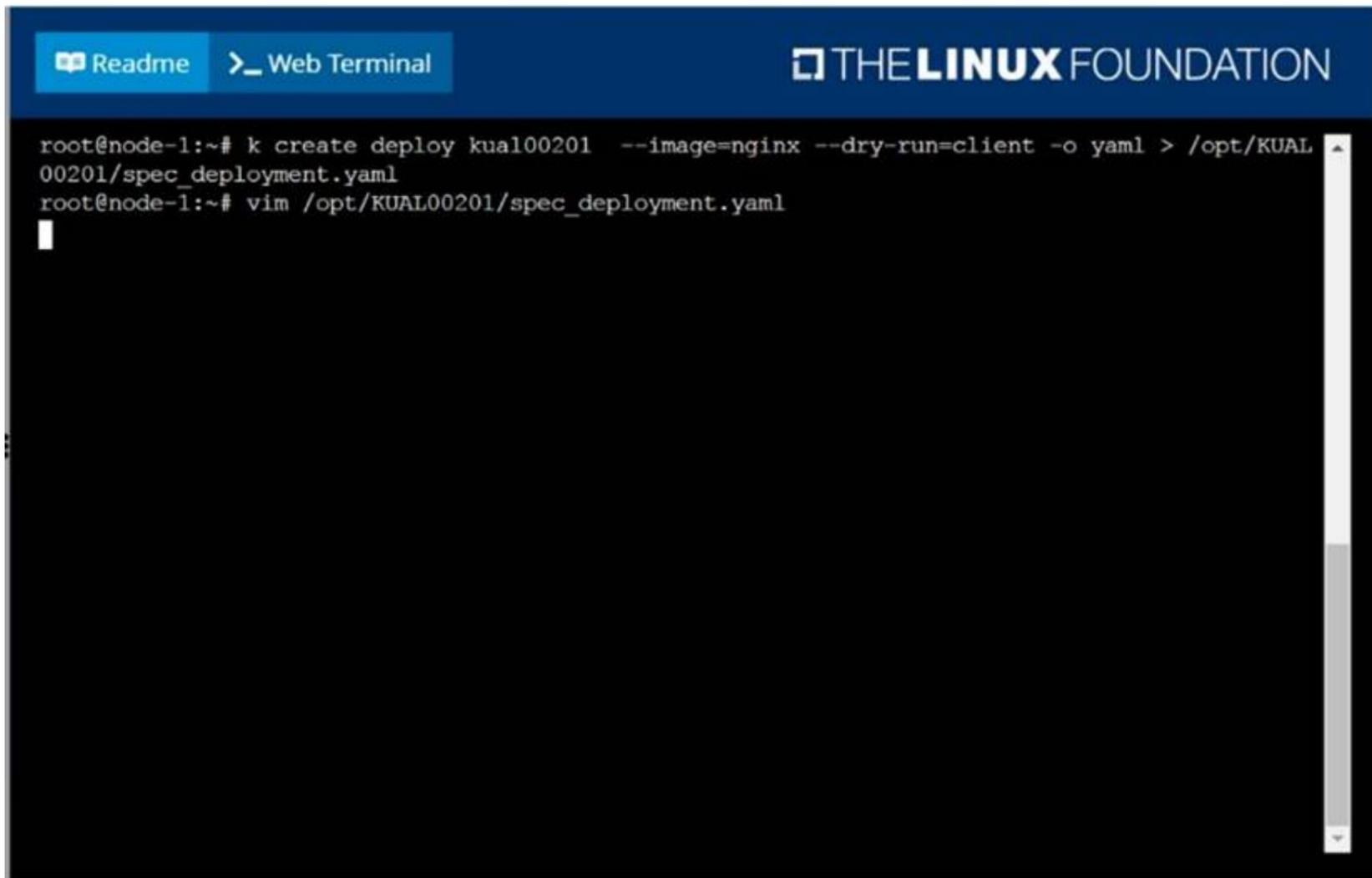
When you are done, clean up (delete) any new Kubernetes API object that you produced during this task.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

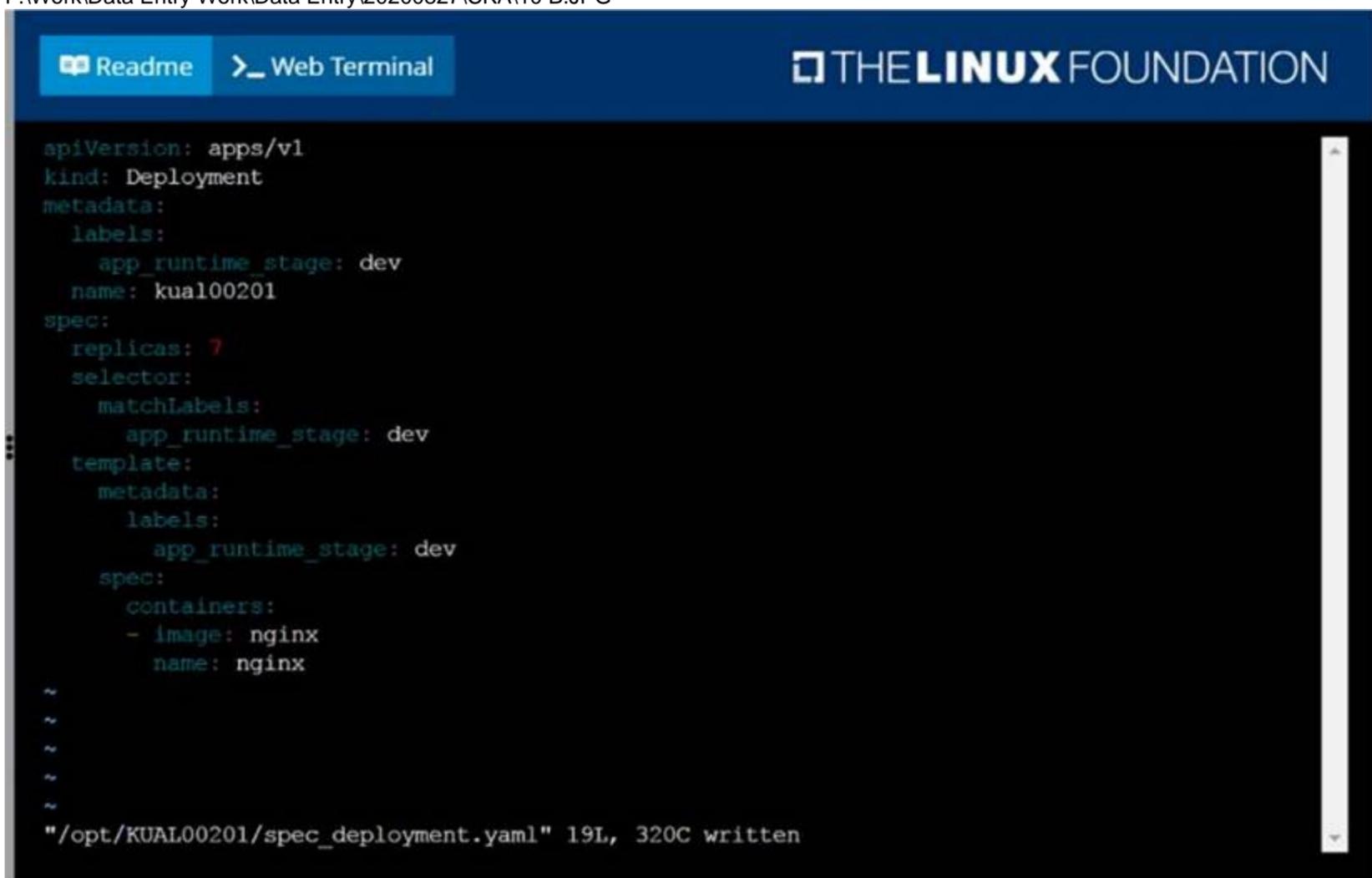
solution



The screenshot shows a web terminal window with a dark background and a blue header. The header contains a 'Readme' button, a 'Web Terminal' button, and the 'THE LINUX FOUNDATION' logo. The terminal text shows the following commands and output:

```
root@node-1:~# k create deploy kual00201 --image=nginx --dry-run=client -o yaml > /opt/KUAL
00201/spec_deployment.yaml
root@node-1:~# vim /opt/KUAL00201/spec_deployment.yaml
```

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The screenshot shows a web terminal window with a dark background and a blue header. The header contains a 'Readme' button, a 'Web Terminal' button, and the 'THE LINUX FOUNDATION' logo. The terminal text shows the contents of a deployment YAML file:

```
apiVersion: apps/v1
kind: Deployment
metadata:
  labels:
    app_runtime_stage: dev
  name: kual00201
spec:
  replicas: 7
  selector:
    matchLabels:
      app_runtime_stage: dev
  template:
    metadata:
      labels:
        app_runtime_stage: dev
    spec:
      containers:
      - image: nginx
        name: nginx
```

At the bottom of the terminal, it says: `"/opt/KUAL00201/spec_deployment.yaml" 19L, 320C written`

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**NEW QUESTION 9**

CORRECT TEXT

Scale the deployment webserver to 6 pods.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

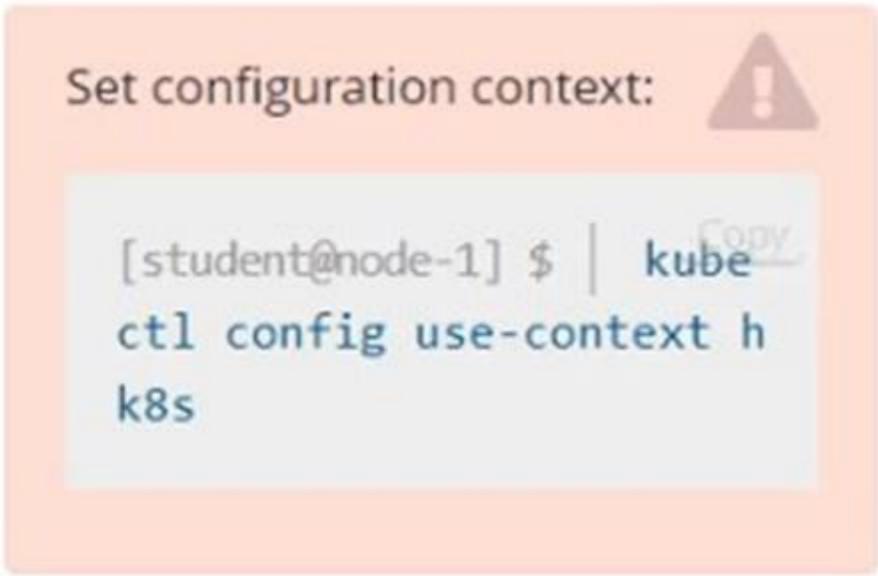
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```

root@node-1:~# k scale deploy webserver --replicas=6
deployment.apps/webserver scaled
root@node-1:~# k get deploy
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
nginx-app     3/3     3             3           29m
webserver     6/6     6             6           6h50m
root@node-1:~#
```

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**NEW QUESTION 10**  
 CORRECT TEXT  
 Score: 7%



**Task**  
 Create a new NetworkPolicy named allow-port-from-namespace in the existing namespace echo. Ensure that the new NetworkPolicy allows Pods in namespace my-app to connect to port 9000 of Pods in namespace echo.  
 Further ensure that the new NetworkPolicy:

- does not allow access to Pods, which don't listen on port 9000
- does not allow access from Pods, which are not in namespace my-app

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Solution:**

```

#network.yaml
apiVersion: networking.k8s.io/v1
kind: NetworkPolicy
metadata:
  name: allow-port-from-namespace
  namespace: internal
spec:
  podSelector:
    matchLabels: {
    }
  policyTypes:
```

```
- Ingress
ingress:
- from:
- podSelector: {
}
ports:
- protocol: TCP
port: 8080
#spec.podSelector namespace pod
kubectl create -f network.yaml
```

**NEW QUESTION 10**

CORRECT TEXT

For this item, you will have to ssh to the nodes ik8s-master-0 and ik8s-node-0 and complete all tasks on these nodes. Ensure that you return to the base node (hostname: node-1) when you have completed this item.

Context

As an administrator of a small development team, you have been asked to set up a Kubernetes cluster to test the viability of a new application.

Task

You must use kubeadm to perform this task. Any kubeadm invocations will require the use of the --ignore-preflight-errors=all option.

? Configure the node ik8s-master-0 as a master node. .

? Join the node ik8s-node-0 to the cluster.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

You must use the kubeadm configuration file located at /etc/kubeadm.conf when initializing your cluster.

You may use any CNI plugin to complete this task, but if you don't have your favourite CNI plugin's manifest URL at hand, Calico is one popular option:

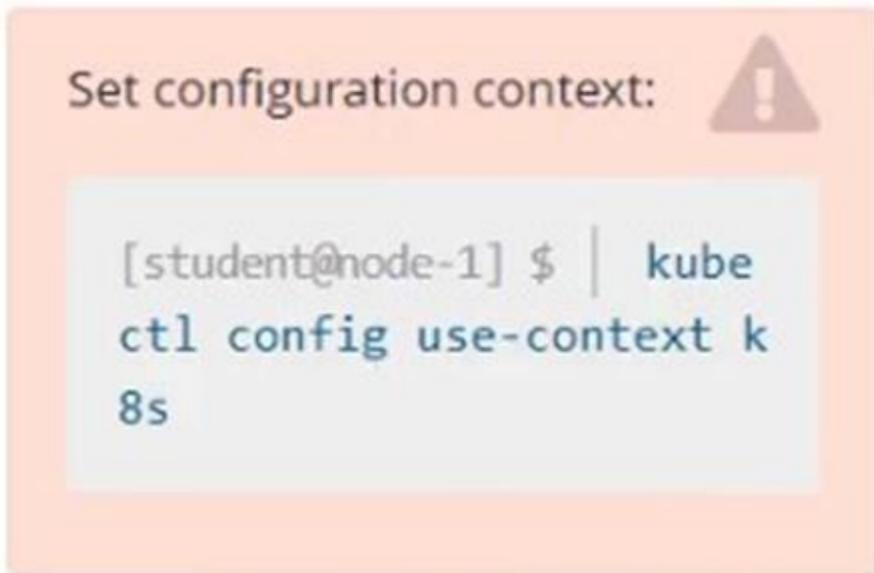
<https://docs.projectcalico.org/v3.14/manifests/calico.yaml>

Docker is already installed on both nodes and apt has been configured so that you can install the required tools.

**NEW QUESTION 11**

CORRECT TEXT

Score:7%



Context

An existing Pod needs to be integrated into the Kubernetes built-in logging architecture (e.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

```
#
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
```

#### NEW QUESTION 16

CORRECT TEXT

Create an nginx pod and list the pod with different levels of verbosity

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
// create a pod
kubectl run nginx --image=nginx --restart=Never --port=80
// List the pod with different verbosity
kubectl get po nginx --v=7
kubectl get po nginx --v=8
kubectl get po nginx --v=9
```

#### NEW QUESTION 17

CORRECT TEXT

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/KUTR00102/KUTR00102.txt (which already exists).

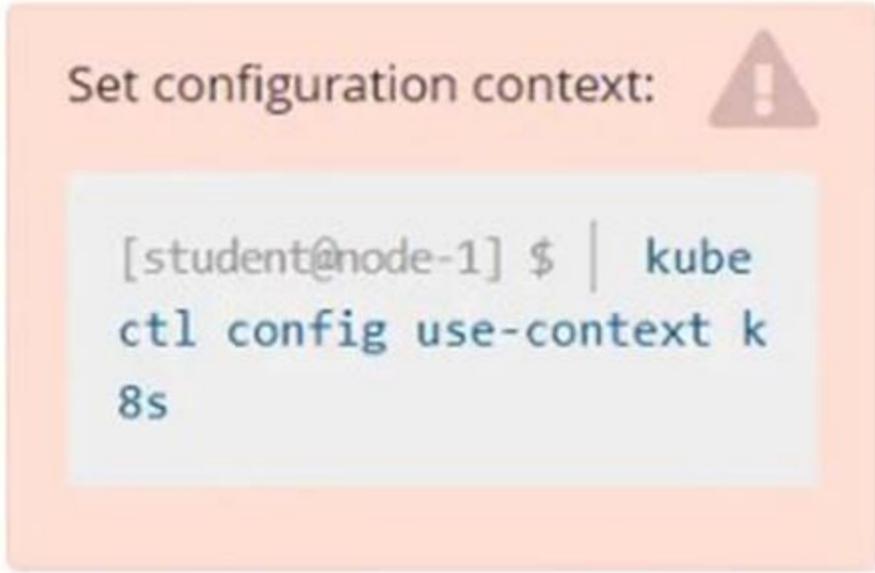
- A.

**Answer:** Seethesolutionbelow.

#### Explanation:

solution





Task

Scale the deployment presentation to 6 pods.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

kubectl get deployment

kubectl scale deployment.apps/presentation --replicas=6

**NEW QUESTION 25**

CORRECT TEXT

Create a pod as follows:

? Name: non-persistent-redis

? container Image: redis

? Volume with name: cache-control

? Mount path: /data/redis

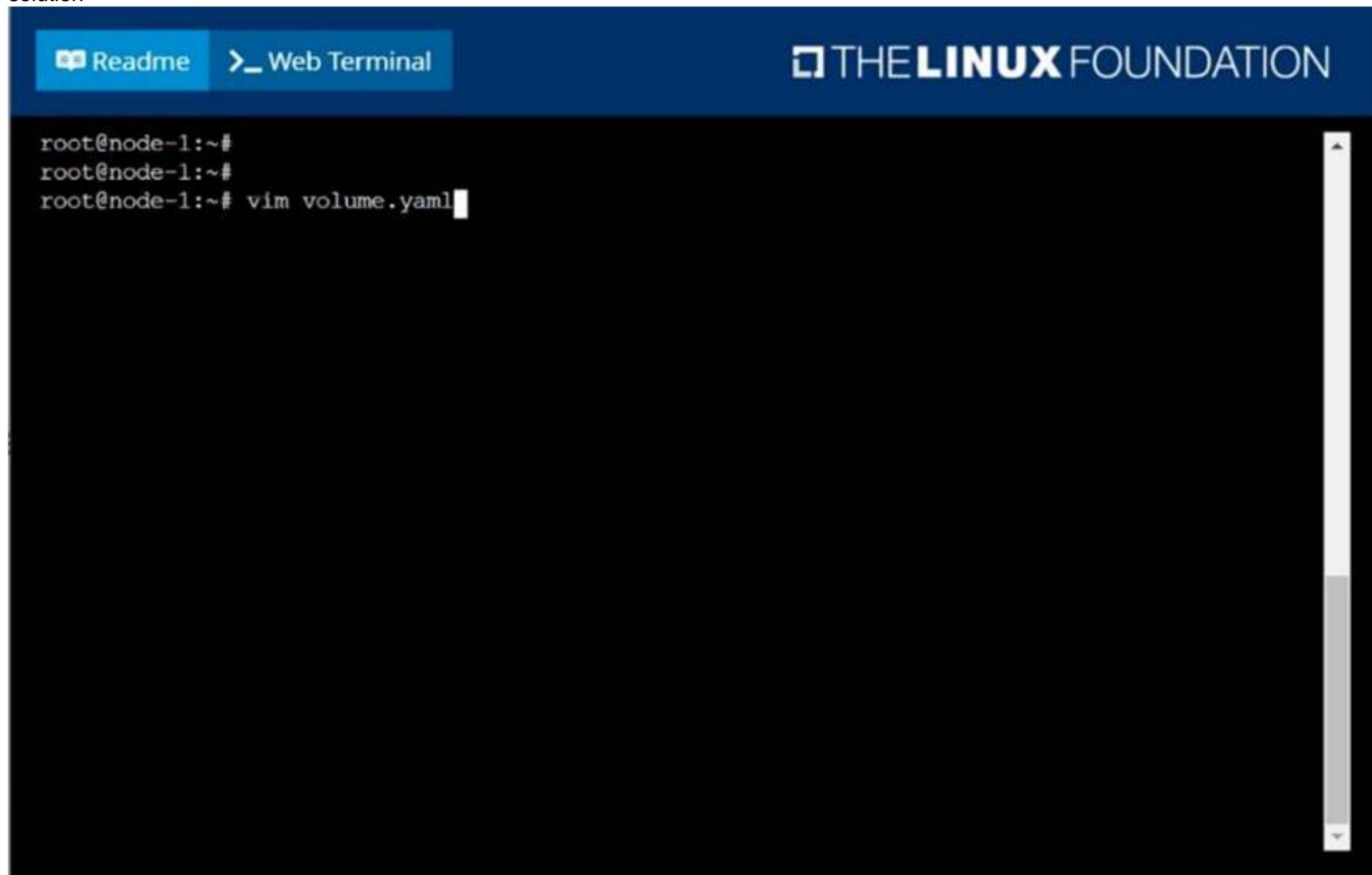
The pod should launch in the staging namespace and the volume must not be persistent.

- A. Mastered
- B. Not Mastered

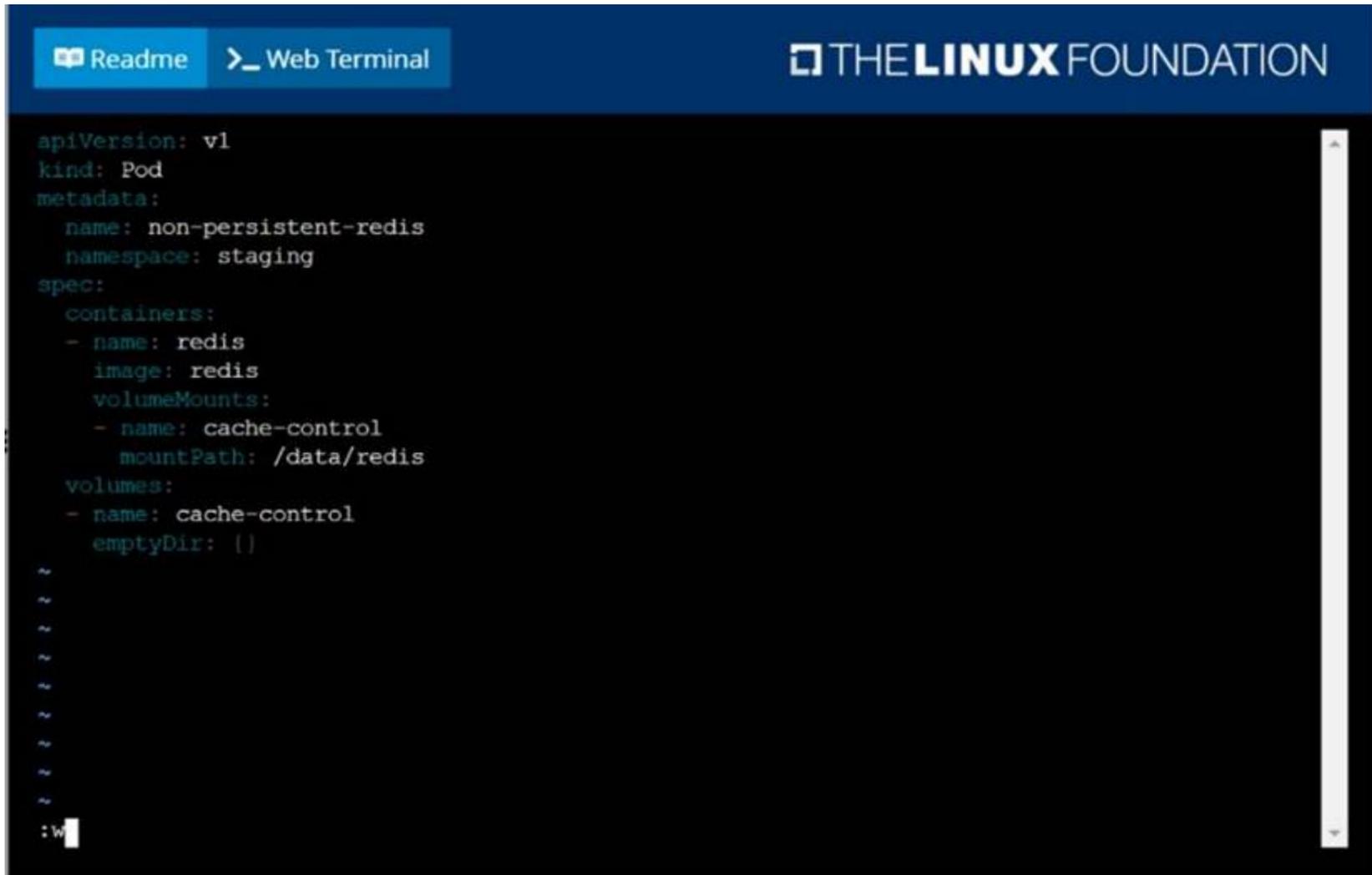
**Answer:** A

**Explanation:**

solution



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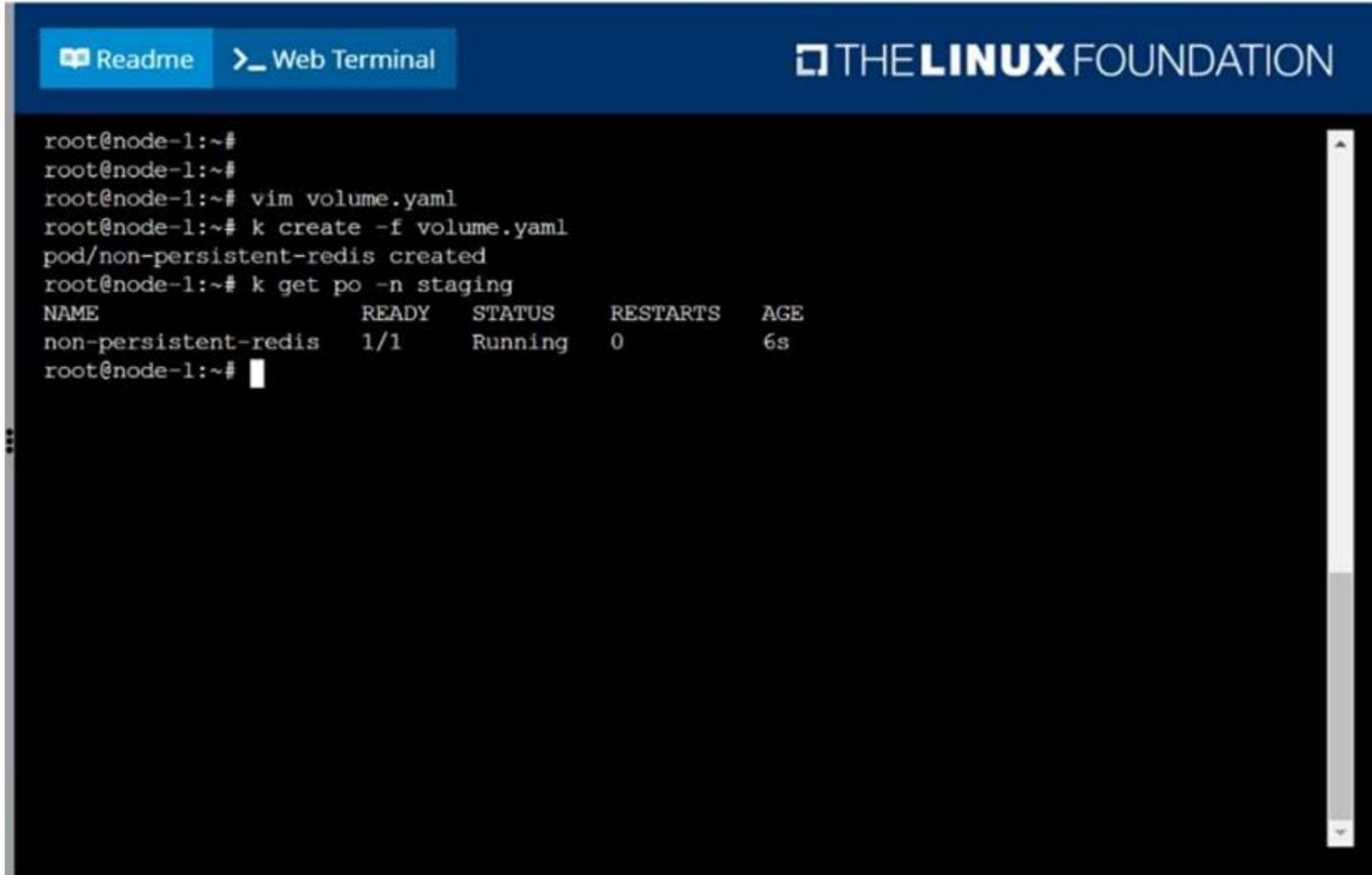
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```

apiVersion: v1
kind: Pod
metadata:
  name: non-persistent-redis
  namespace: staging
spec:
  containers:
  - name: redis
    image: redis
    volumeMounts:
    - name: cache-control
      mountPath: /data/redis
  volumes:
  - name: cache-control
    emptyDir: {}
~
~
~
~
~
~
~
~
~
:w

```

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```

root@node-1:~#
root@node-1:~#
root@node-1:~# vim volume.yaml
root@node-1:~# k create -f volume.yaml
pod/non-persistent-redis created
root@node-1:~# k get po -n staging
NAME                READY   STATUS    RESTARTS   AGE
non-persistent-redis 1/1     Running   0           6s
root@node-1:~#

```

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**NEW QUESTION 26**  
 CORRECT TEXT  
 Task Weight: 4%



Task  
 Scale the deployment webserver to 3 pods.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution:

```
student@node-1:~$ kubectl scale deploy webserver --replicas=3
deployment.apps/webserver scaled
student@node-1:~$ kubectl scale deploy webserver --replicas=3
```

**NEW QUESTION 27**

CORRECT TEXT

Perform the following tasks:

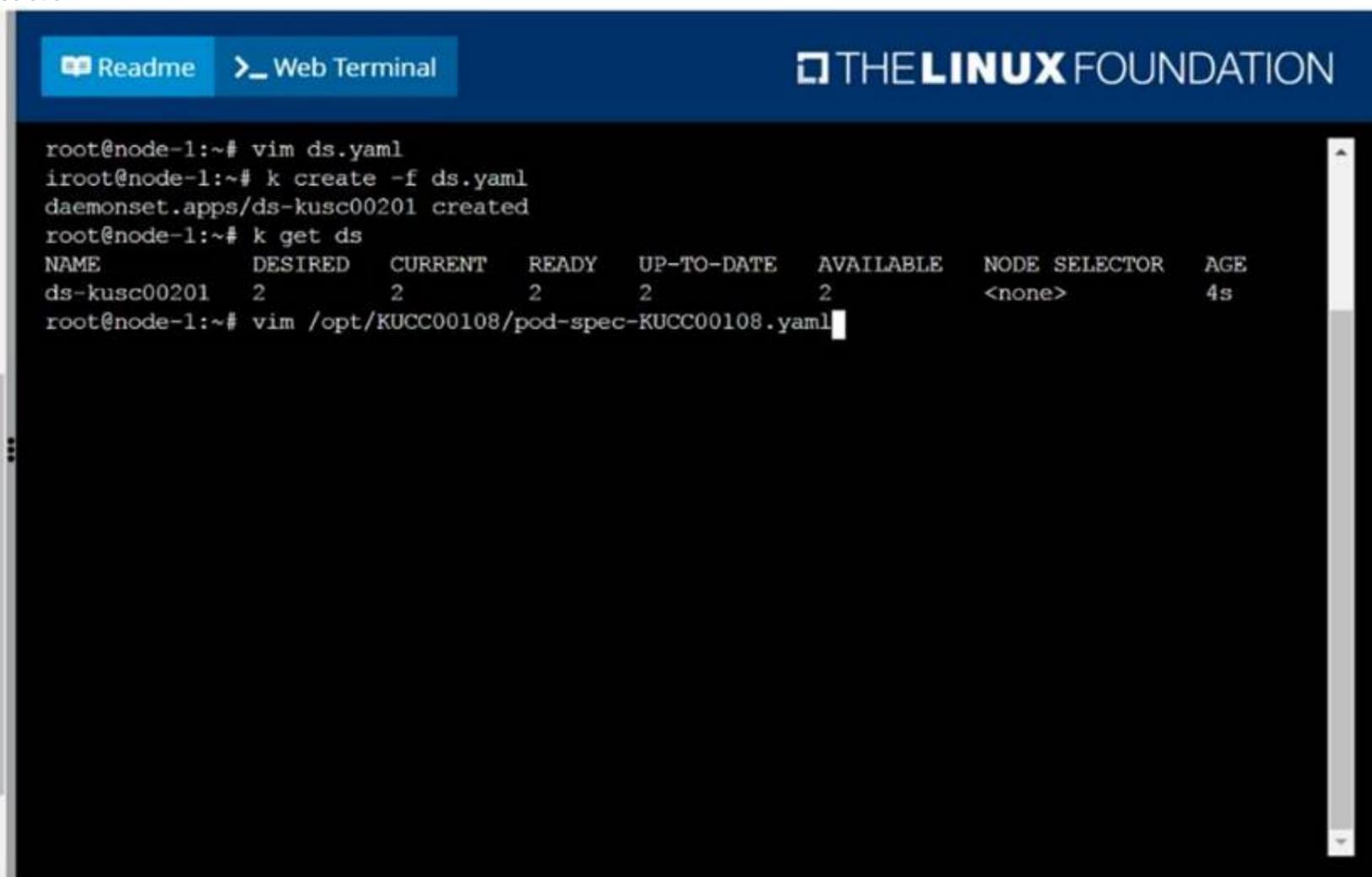
- ? Add an init container to hungry-bear (which has been defined in spec file /opt/KUCC00108/pod-spec-KUCC00108.yaml)
- ? The init container should create an empty file named /workdir/calm.txt
- ? If /workdir/calm.txt is not detected, the pod should exit
- ? Once the spec file has been updated with the init container definition, the pod should be created

A.

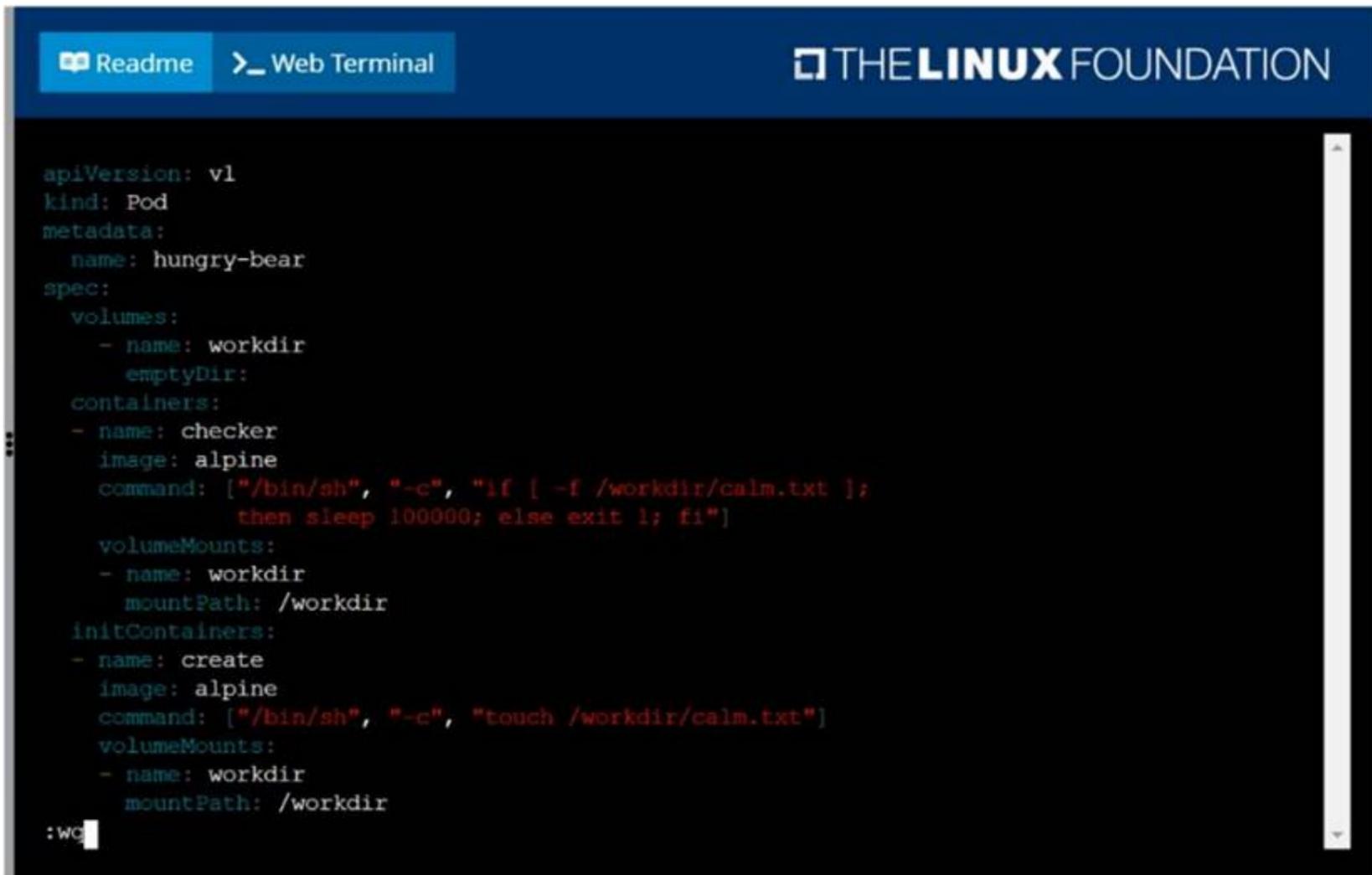
Answer: Seethesolutionbelow.

Explanation:

solution



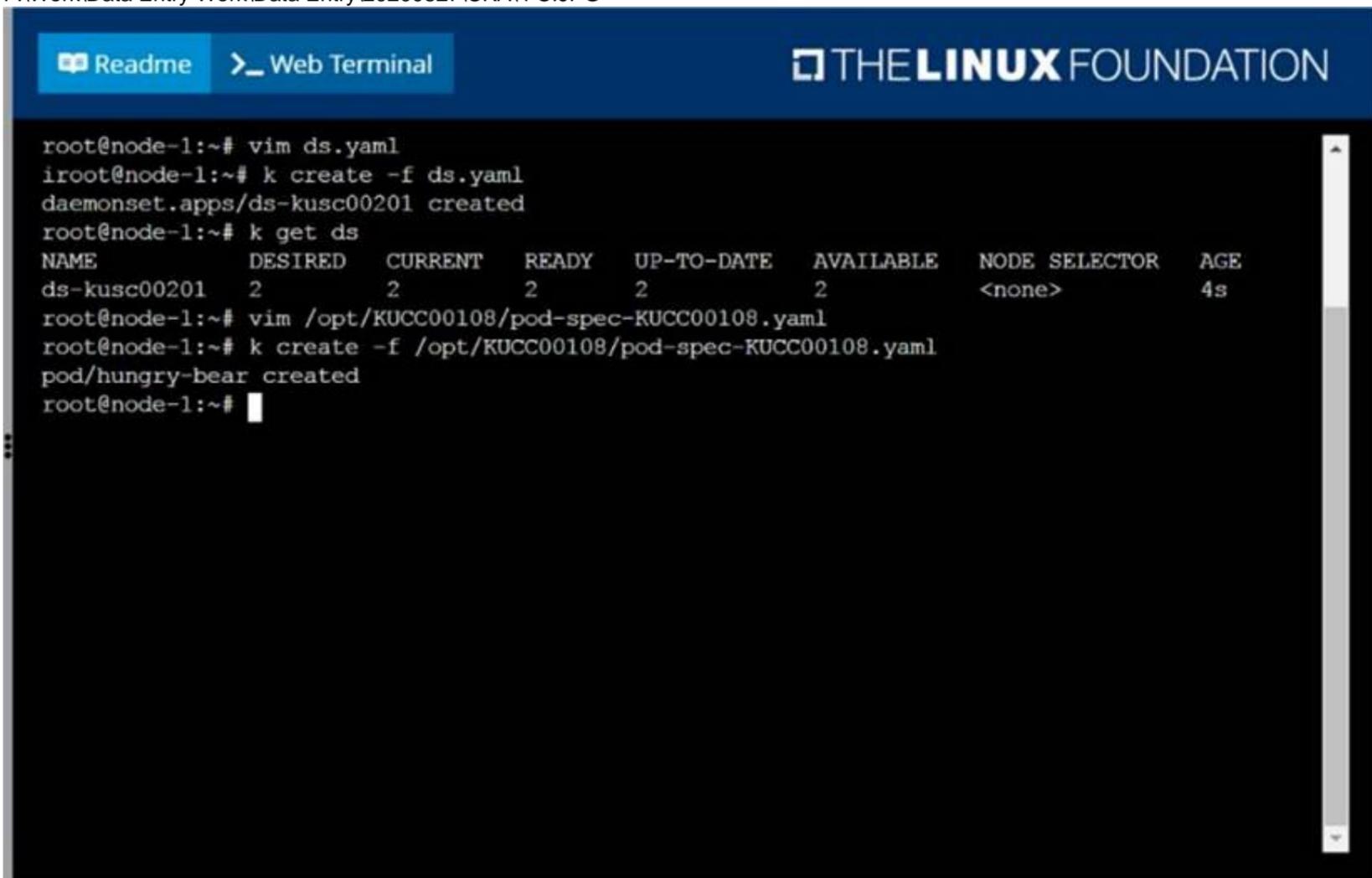
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The screenshot shows a web terminal interface with a dark background. At the top, there are two buttons: 'Readme' and 'Web Terminal'. The 'THE LINUX FOUNDATION' logo is in the top right corner. The terminal displays a YAML configuration for a pod named 'hungry-bear'. The configuration includes a volume named 'workdir' and two containers: 'checker' and 'create'. The 'checker' container runs a command that sleeps for 100,000 seconds if a file 'calm.txt' exists in the 'workdir' volume. The 'create' container runs a command to touch 'calm.txt' in the 'workdir' volume.

```
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
:wg
```

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The screenshot shows a web terminal interface with a dark background. At the top, there are two buttons: 'Readme' and 'Web Terminal'. The 'THE LINUX FOUNDATION' logo is in the top right corner. The terminal shows a series of commands and their outputs:

```
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:~#
```

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**NEW QUESTION 29**

CORRECT TEXT

Configure the kubelet systemd- managed service, on the node labelled with name=wk8s- node-1, to launch a pod containing a single container of Image httpd named webtool automatically. Any spec files required should be placed in the /etc/kubernetes/manifests directory on the node.

You can ssh to the appropriate node using:

```
[student@node-1] $ ssh wk8s-node-1
```

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

```
[student@wk8s-node-1] $ | sudo -i
```

- A. Mastered
- B. Not Mastered

**Answer: A**



**NEW QUESTION 32**

CORRECT TEXT

Create a busybox pod and add "sleep 3600" command

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 36**

CORRECT TEXT

Schedule a pod as follows:

? Name: nginx-kusc00101

? Image: nginx

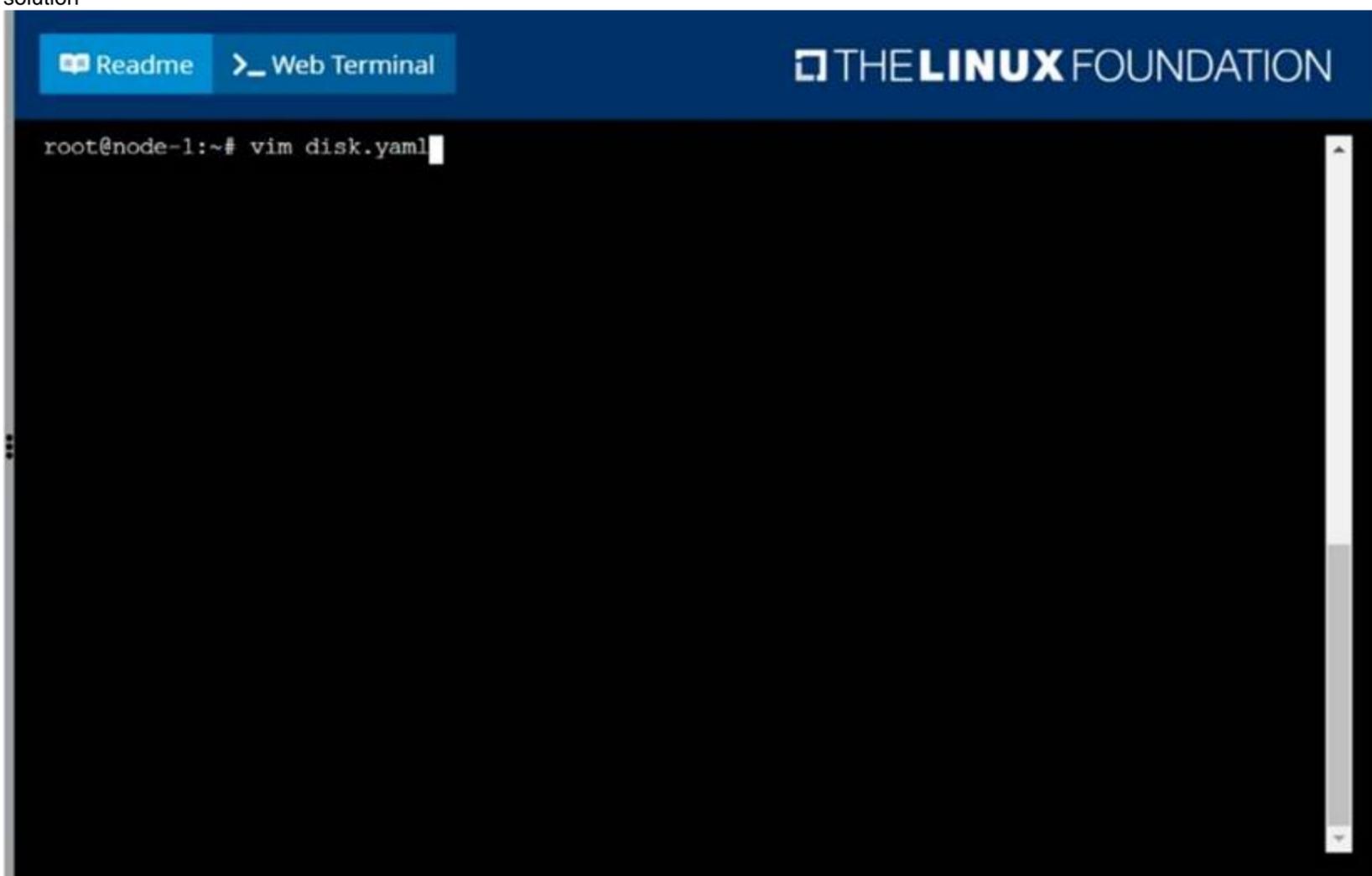
? Node selector: disk=ssd

- A. Mastered
- B. Not Mastered

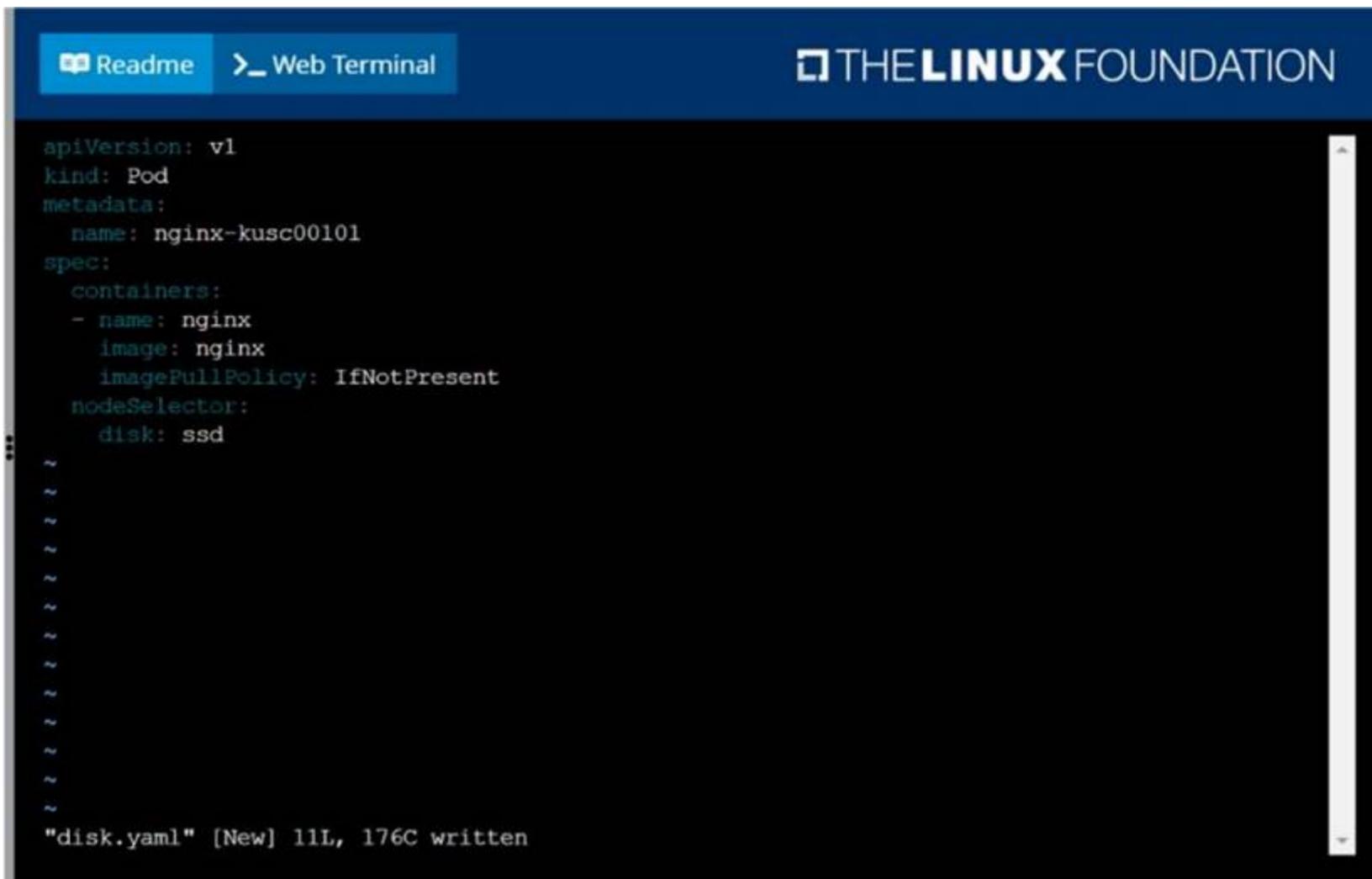
**Answer:** A

**Explanation:**

solution



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```

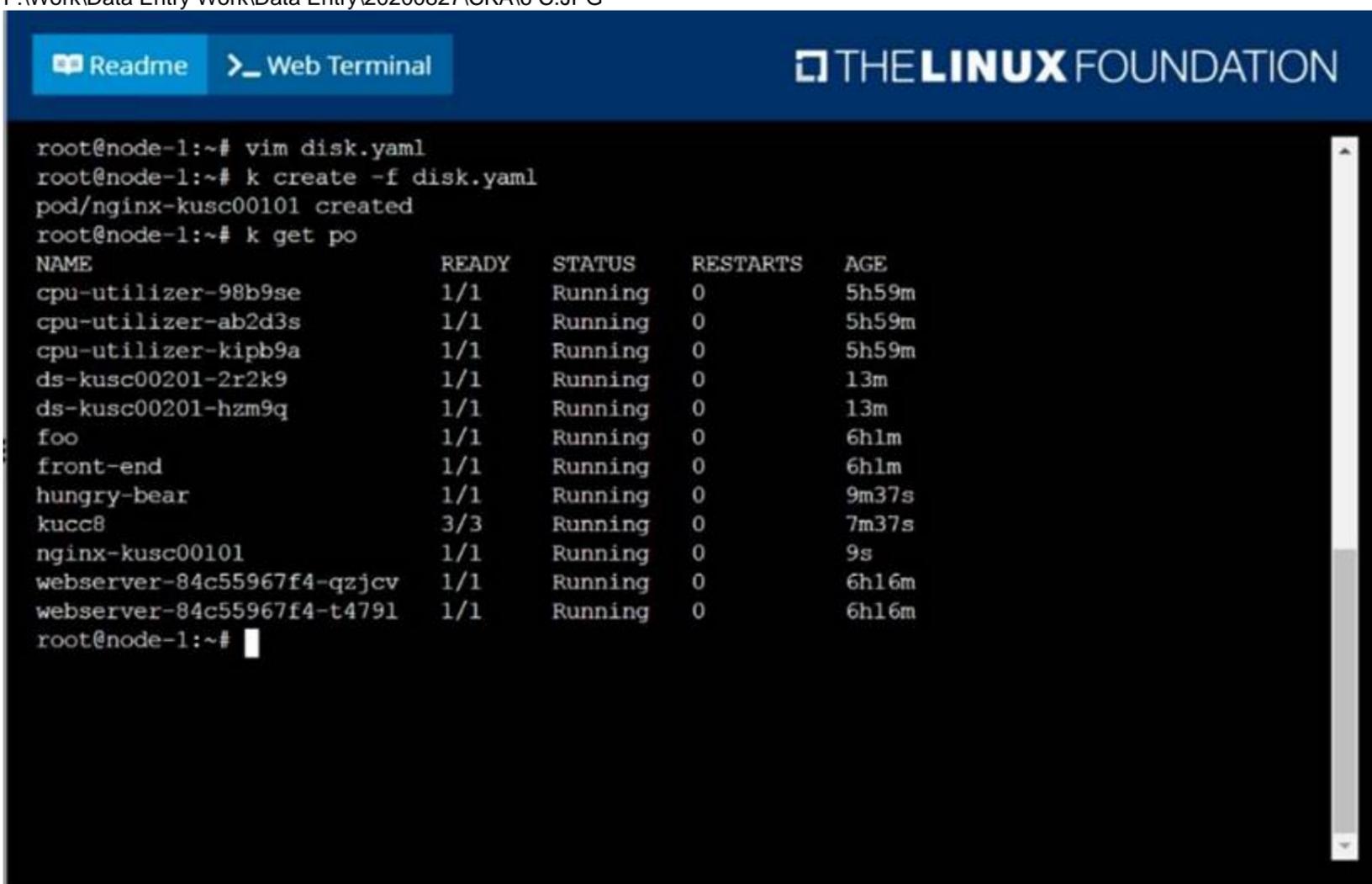
Readme Web Terminal THE LINUX FOUNDATION

apiVersion: v1
kind: Pod
metadata:
  name: nginx-kusc00101
spec:
  containers:
  - name: nginx
    image: nginx
    imagePullPolicy: IfNotPresent
  nodeSelector:
    disk: ssd

"disk.yaml" [New] 11L, 176C written

```

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```

Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~# vim disk.yaml
root@node-1:~# k create -f disk.yaml
pod/nginx-kusc00101 created
root@node-1:~# k get po
NAME                                READY   STATUS    RESTARTS   AGE
cpu-utilizer-98b9se                 1/1     Running   0           5h59m
cpu-utilizer-ab2d3s                 1/1     Running   0           5h59m
cpu-utilizer-kipb9a                 1/1     Running   0           5h59m
ds-kusc00201-2r2k9                  1/1     Running   0           13m
ds-kusc00201-hzm9q                  1/1     Running   0           13m
foo                                  1/1     Running   0           6h1m
front-end                            1/1     Running   0           6h1m
hungry-bear                          1/1     Running   0           9m37s
kucc8                                 3/3     Running   0           7m37s
nginx-kusc00101                      1/1     Running   0           9s
webserver-84c55967f4-qzjcv          1/1     Running   0           6h16m
webserver-84c55967f4-t479l         1/1     Running   0           6h16m
root@node-1:~#

```

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**NEW QUESTION 39**

CORRECT TEXT

List the nginx pod with custom columns POD\_NAME and POD\_STATUS

- A. Mastered
- B. Not Mastered

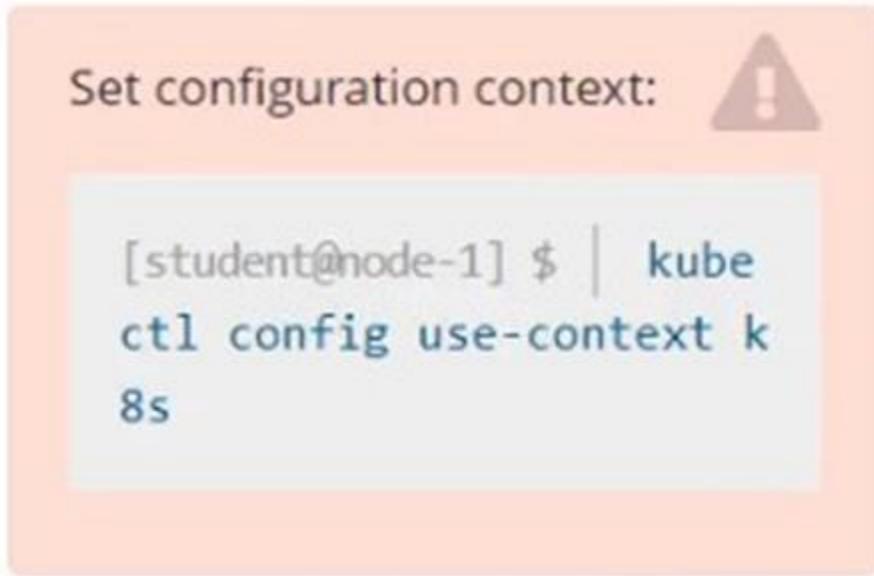
Answer: A

**Explanation:**

kubectl get po -o=custom-columns="POD\_NAME:.metadata.name, POD\_STATUS:.status.containerStatuses[].state"

**NEW QUESTION 41**

CORRECT TEXT  
 Score: 5%



Task  
 Monitor the logs of pod bar and:  
 • Extract log lines corresponding to error file-not-found  
 • Write them to /opt/KUTR00101/bar

- A. Mastered
- B. Not Mastered

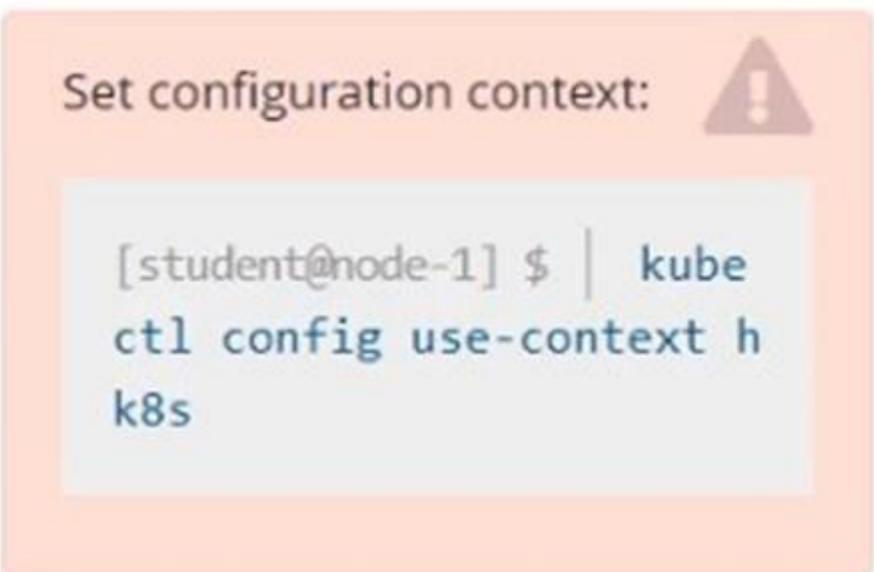
**Answer:** A

**Explanation:**

Solution:  
 kubectl logs bar | grep 'unable-to-access-website' > /opt/KUTR00101/bar  
 cat /opt/KUTR00101/bar

**NEW QUESTION 46**

CORRECT TEXT  
 Score: 4%



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 .

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:  
 #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
```

#### NEW QUESTION 48

CORRECT TEXT

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
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
```

#### NEW QUESTION 51

CORRECT TEXT

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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

#### NEW QUESTION 53

CORRECT TEXT

Create 2 nginx image pods in which one of them is labelled with env=prod and another one labelled with env=dev and verify the same.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
kubectl run --generator=run-pod/v1 --image=nginx -- labels=env=prod nginx-prod --dry-run  
-o yaml > nginx-prod-pod.yaml Now, edit nginx-prod-pod.yaml file and remove entries like "creationTimestamp: null" "dnsPolicy: ClusterFirst"  
vim nginx-prod-pod.yaml  
apiVersion: v1  
kind: Pod  
metadata:  
labels:  
env: prod  
name: nginx-prod  
spec:  
containers:  
- image: nginx  
name: nginx-prod  
restartPolicy: Always  
# kubectl create -f nginx-prod-pod.yaml  
kubectl run --generator=run-pod/v1 --image=nginx --  
labels=env=dev nginx-dev --dry-run -o yaml > nginx-dev-pod.yaml  
apiVersion: v1  
kind: Pod  
metadata:  
labels:  
env: dev  
name: nginx-dev  
spec:  
containers:  
- image: nginx  
name: nginx-dev  
restartPolicy: Always  
# kubectl create -f nginx-prod-dev.yaml  
Verify :  
kubectl get po --show-labels  
kubectl get po -l env=prod  
kubectl get po -l env=dev
```

**NEW QUESTION 56**

.....

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