

# 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

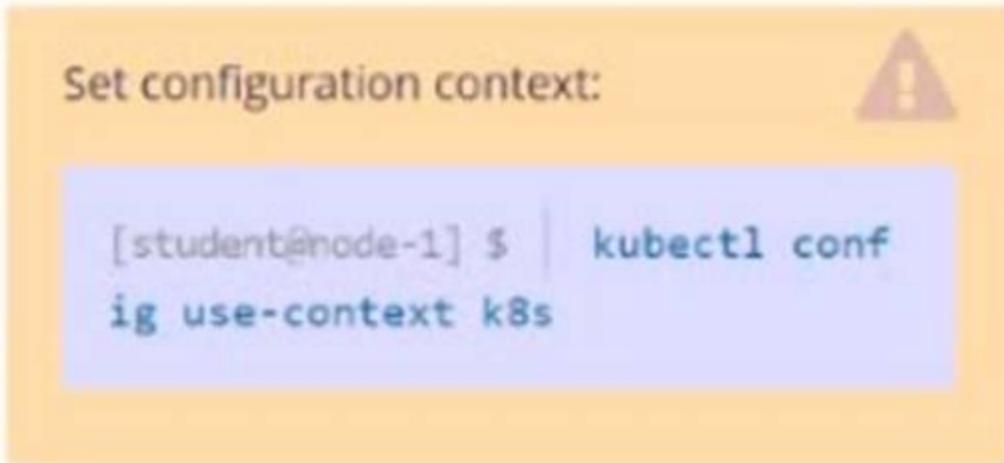
**Explanation:**

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

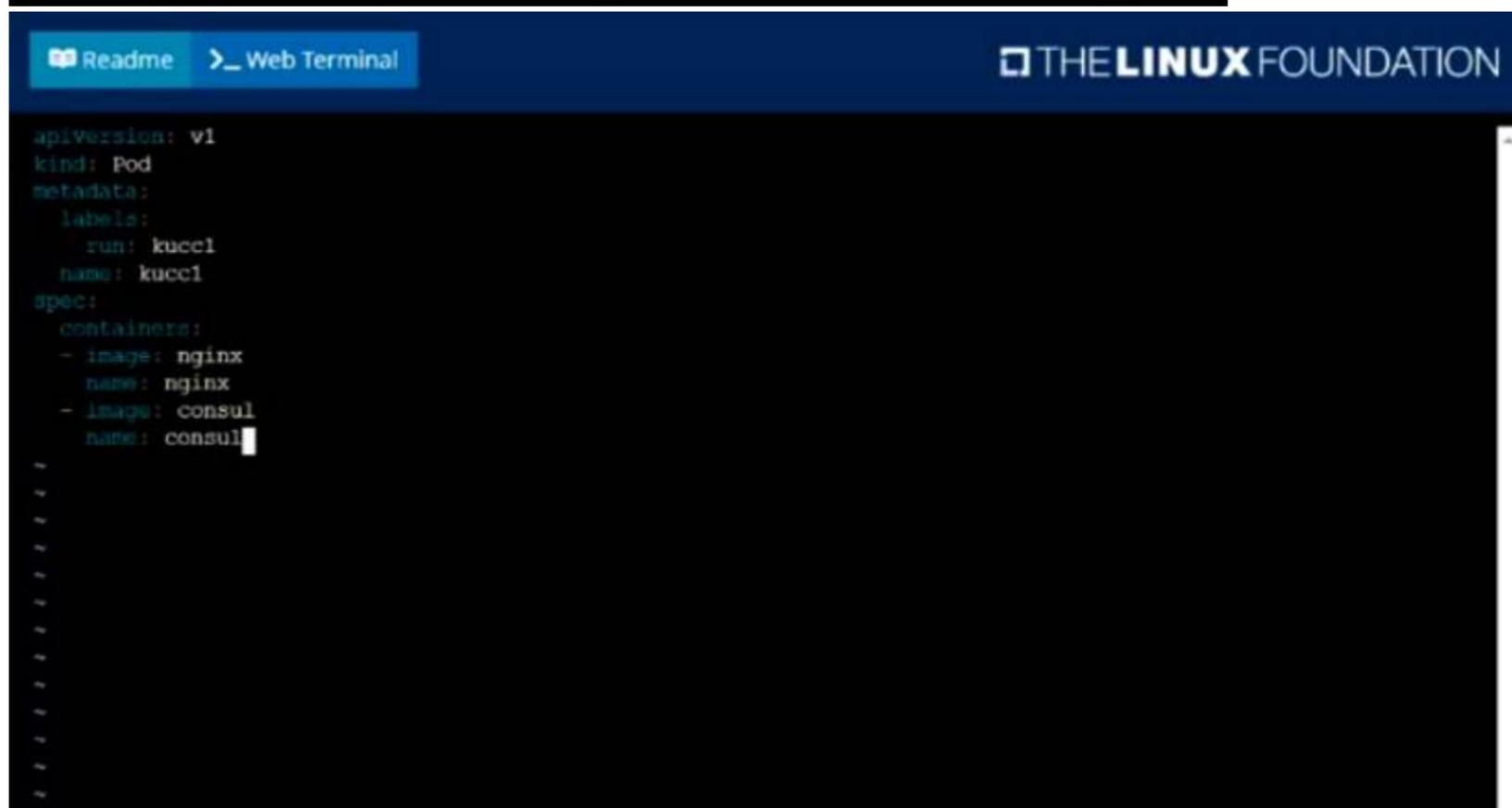
- A. Mastered
- B. Not Mastered

**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 namespace called 'development' and a pod with image nginx called nginx on this namespace.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

kubectl create namespace development  
 kubectl run nginx --image=nginx --restart=Never -n development

**NEW QUESTION 4**

CORRECT TEXT

Score:7%



**Task**

Create a new PersistentVolumeClaim

- Name: pv-volume
- Class: csi-hostpath-sc
- Capacity: 10Mi

Create a new Pod which mounts the PersistentVolumeClaim as a volume:

- Name: web-server
- Image: nginx
- Mount path: /usr/share/nginx/html

Configure the new Pod to have ReadWriteOnce access on the volume.

Finally, using kubectl edit or kubectl patch expand the PersistentVolumeClaim to a capacity of 70Mi and record that change.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:  
 vi pvc.yaml  
 storageclass pvc  
 apiVersion: v1  
 kind: PersistentVolumeClaim  
 metadata:

```
name: pv-volume
spec:
accessModes:
- ReadWriteOnce
volumeMode: Filesystem
resources:
requests:
storage: 10Mi
storageClassName: csi-hostpath-sc
# vi pod-pvc.yaml
apiVersion: v1
kind: Pod
metadata:
name: web-server
spec:
containers:
- name: web-server
image: nginx
volumeMounts:
- mountPath: "/usr/share/nginx/html"
name: my-volume
volumes:
- name: my-volume
persistentVolumeClaim:
claimName: pv-volume
# craete
kubectl create -f pod-pvc.yaml
#edit
kubectl edit pvc pv-volume --record
```

**NEW QUESTION 5**

CORRECT TEXT

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.

- A. Mastered
- B. Not Mastered

**Answer: A**

**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

**NEW QUESTION 6**

CORRECT TEXT

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

- A. Mastered
- B. Not Mastered

**Answer: A**

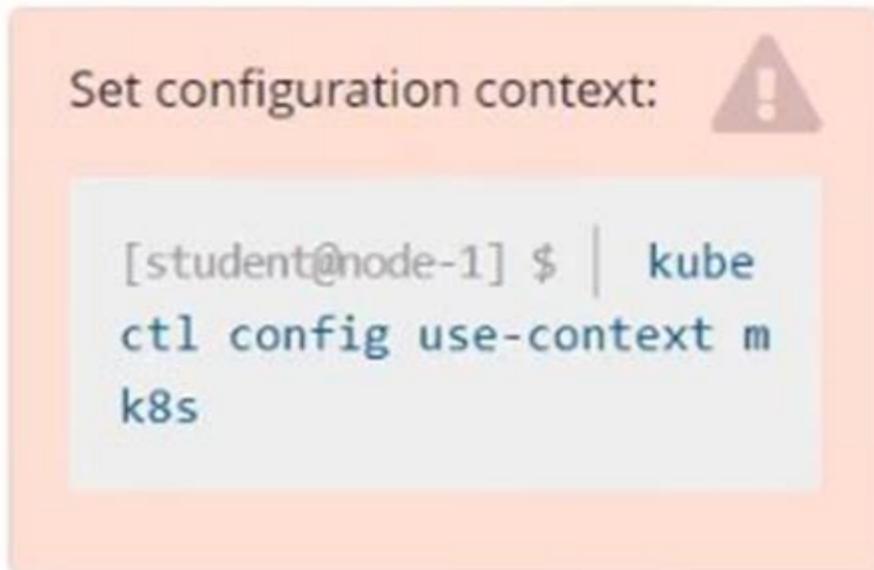
**Explanation:**

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

**NEW QUESTION 7**

CORRECT TEXT

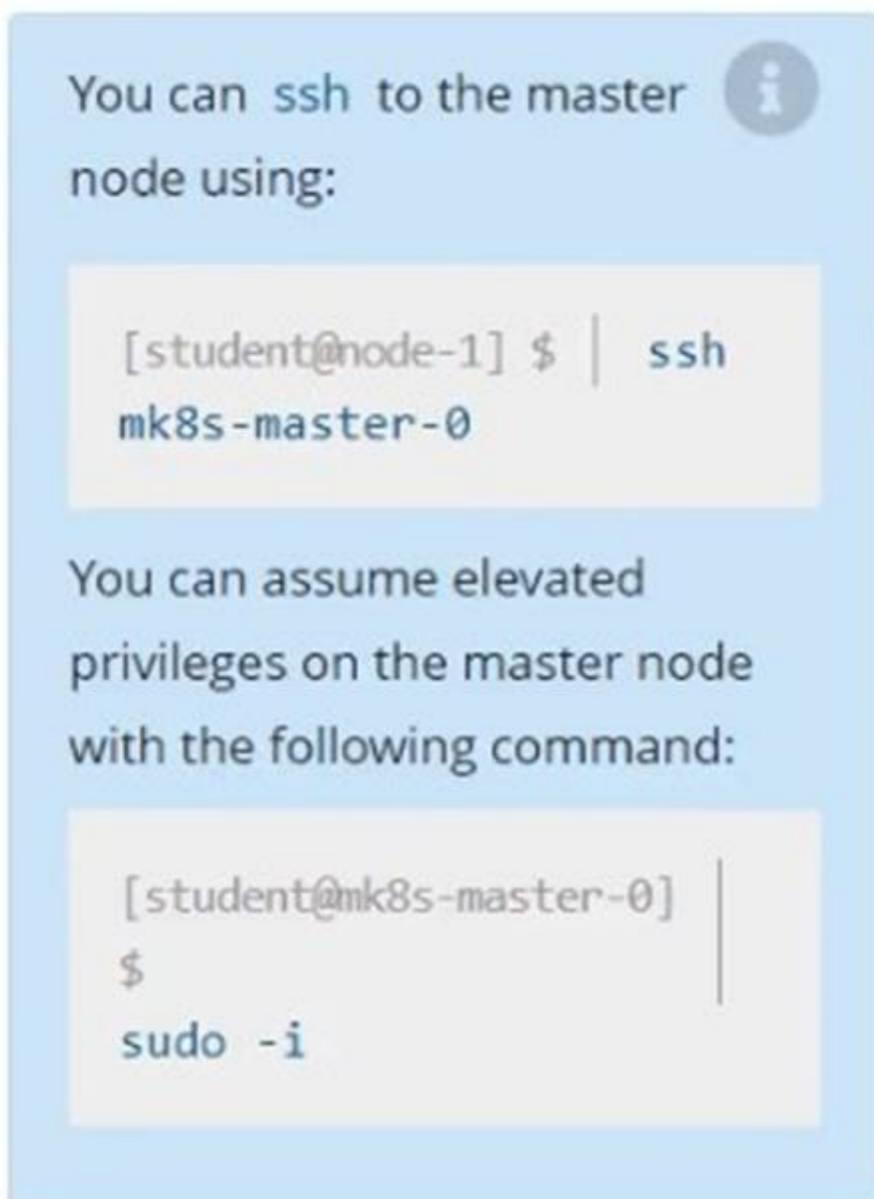
Score: 7%



**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 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 8**

CORRECT TEXT

Print pod name and start time to "/opt/pod-status" file

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
kubectl get pods -o=jsonpath='{range items[*]}{.metadata.name}{"\t"}{.status.podIP}{"\n"}{end}'
```

**NEW QUESTION 9**

CORRECT TEXT

Score: 5%

Set configuration context:

```
[student@node-1] $ | kubectl config use-context k8s
```

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).

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

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

**NEW QUESTION 10**

CORRECT TEXT

Scale the deployment webserver to 6 pods.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

```

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:~#

```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\14 B.JPG

**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 15**

CORRECT TEXT

Check the Image version of nginx-dev pod using jsonpath

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

```
kubectl get po nginx-dev -o
jsonpath='{.spec.containers[].image}'
```

**NEW QUESTION 19**

CORRECT TEXT

Create a snapshot of the etcd instance running at <https://127.0.0.1:2379>, saving the snapshot to the file path `/srv/data/etcd-snapshot.db`.

The following TLS certificates/key are supplied for connecting to the server with etcdctl:

- ? CA certificate: `/opt/KUCM00302/ca.crt`
- ? Client certificate: `/opt/KUCM00302/etcd-client.crt`
- ? Client key: `Topt/KUCM00302/etcd-client.key`

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

solution

Readme
Web Terminal
THE LINUX FOUNDATION

```

root@node-1:~# ETCDCCTL_API=3 etcdctl --endpoints=https://127.0.0.1:2379 --cacert=/opt/KUCM00302/ca.crt --cert=/opt/KUCM00302/etcd-client.crt --key=/opt/KUCM00302/etcd-client.key snapshot save /srv/data/etcd-snapshot.db
{"level":"info","ts":1598530470.8313155,"caller":"snapshot/v3_snapshot.go:110","msg":"created temporary db file","path":"/srv/data/etcd-snapshot.db.part"}
{"level":"warn","ts":"2020-08-27T12:14:30.838Z","caller":"clientv3/retry_interceptor.go:116","msg":"retry stream intercept"}
{"level":"info","ts":1598530470.8388612,"caller":"snapshot/v3_snapshot.go:121","msg":"fetching snapshot","endpoint":"https://127.0.0.1:2379"}
{"level":"info","ts":1598530470.8570414,"caller":"snapshot/v3_snapshot.go:134","msg":"fetched snapshot","endpoint":"https://127.0.0.1:2379","took":0.025676157}
{"level":"info","ts":1598530470.8571067,"caller":"snapshot/v3_snapshot.go:143","msg":"saved","path":"/srv/data/etcd-snapshot.db"}
Snapshot saved at /srv/data/etcd-snapshot.db
root@node-1:~#
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\18 C.JPG

**NEW QUESTION 21**

CORRECT TEXT

Score: 7%



Task  
 Reconfigure the existing deployment front-end and add a port specification named http exposing port 80/tcp of the existing container nginx.  
 Create a new service named front-end-svc exposing the container port http.  
 Configure the new service to also expose the individual Pods via a NodePort on the nodes on which they are scheduled.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Solution:  
 kubectl get deploy front-end  
 kubectl edit deploy front-end -o yaml  
 #port specification named http  
 #service.yaml  
 apiVersion: v1  
 kind: Service  
 metadata:  
 name: front-end-svc  
 labels:  
 app: nginx  
 spec:  
 ports:  
 - port: 80  
 protocol: tcp

```
name: http
selector:
app: nginx
type: NodePort
# kubectl create -f service.yaml
# kubectl get svc
# port specification named http
kubectl expose deployment front-end --name=front-end-svc --port=80 --target-port=80 -- type=NodePort
```

**NEW QUESTION 23**

CORRECT TEXT

Check the image version in pod without the describe command

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

```
kubectl get po nginx -o
jsonpath='{.spec.containers[].image}'
```

**NEW QUESTION 25**

CORRECT TEXT

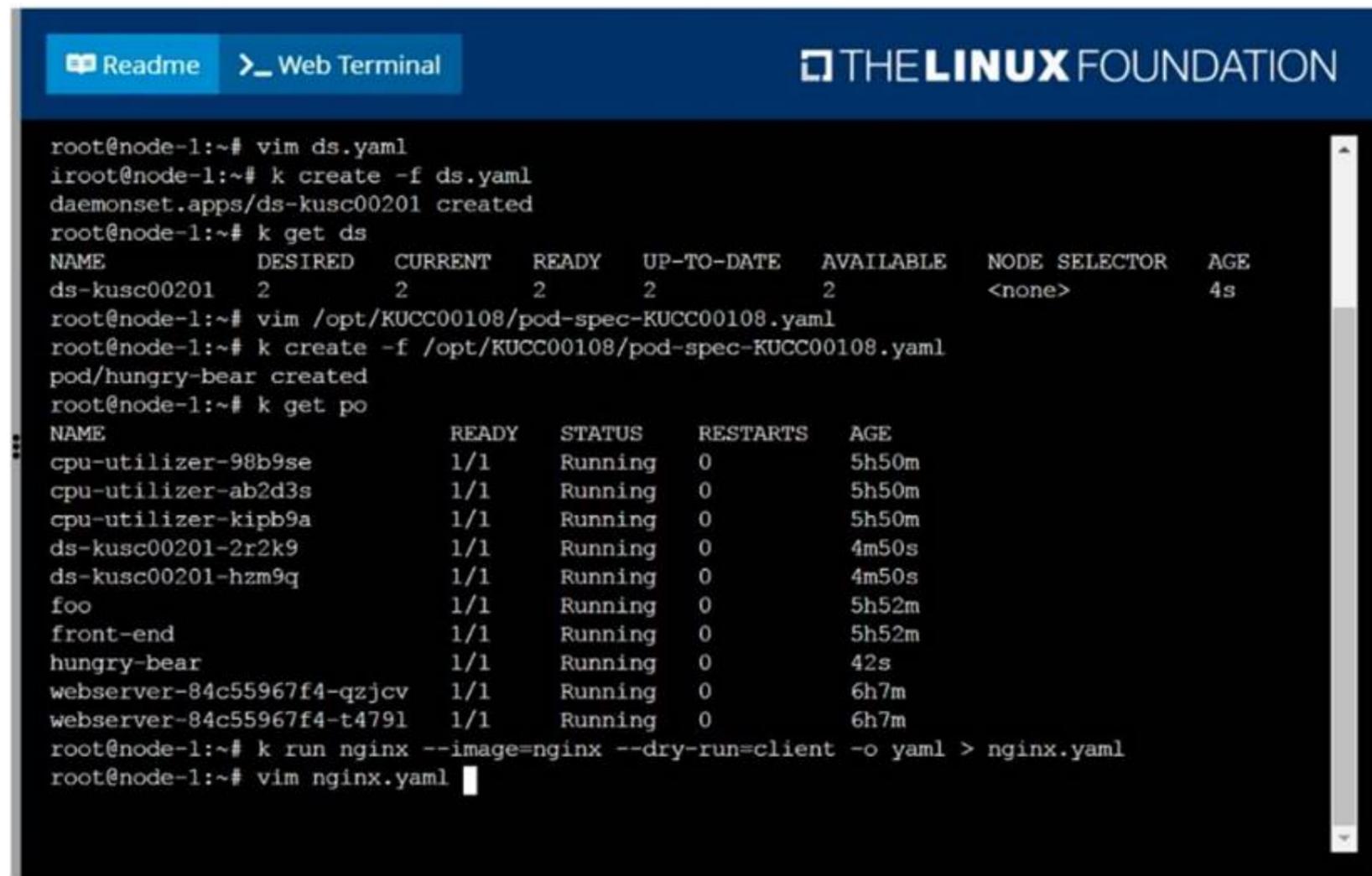
Create a pod named kucc8 with a single app container for each of the following images running inside (there may be between 1 and 4 images specified):  
 nginx + redis + memcached.

- A. Mastered
- B. Not Mastered

**Answer:** A

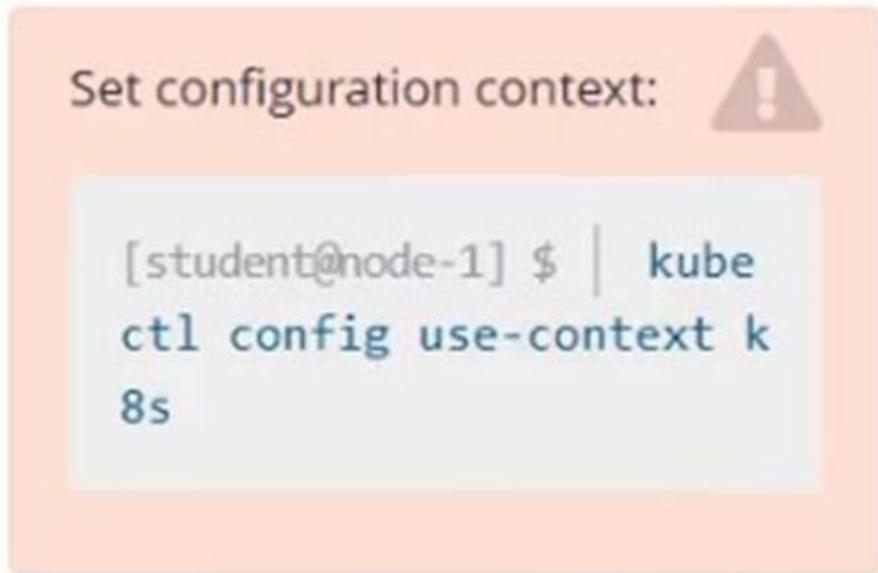
**Explanation:**

solution



F:\Work\Data Entry Work\Data Entry\20200827\CKA\5 B.JPG





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 33

CORRECT TEXT

Given a partially-functioning Kubernetes cluster, identify symptoms of failure on the cluster.

Determine the node, the failing service, and take actions to bring up the failed service and restore the health of the cluster. Ensure that any changes are made permanently.

You can ssh to the relevant I nodes (bk8s-master-0 or bk8s-node-0) using:

```
[student@node-1] $ ssh <nodename>
```

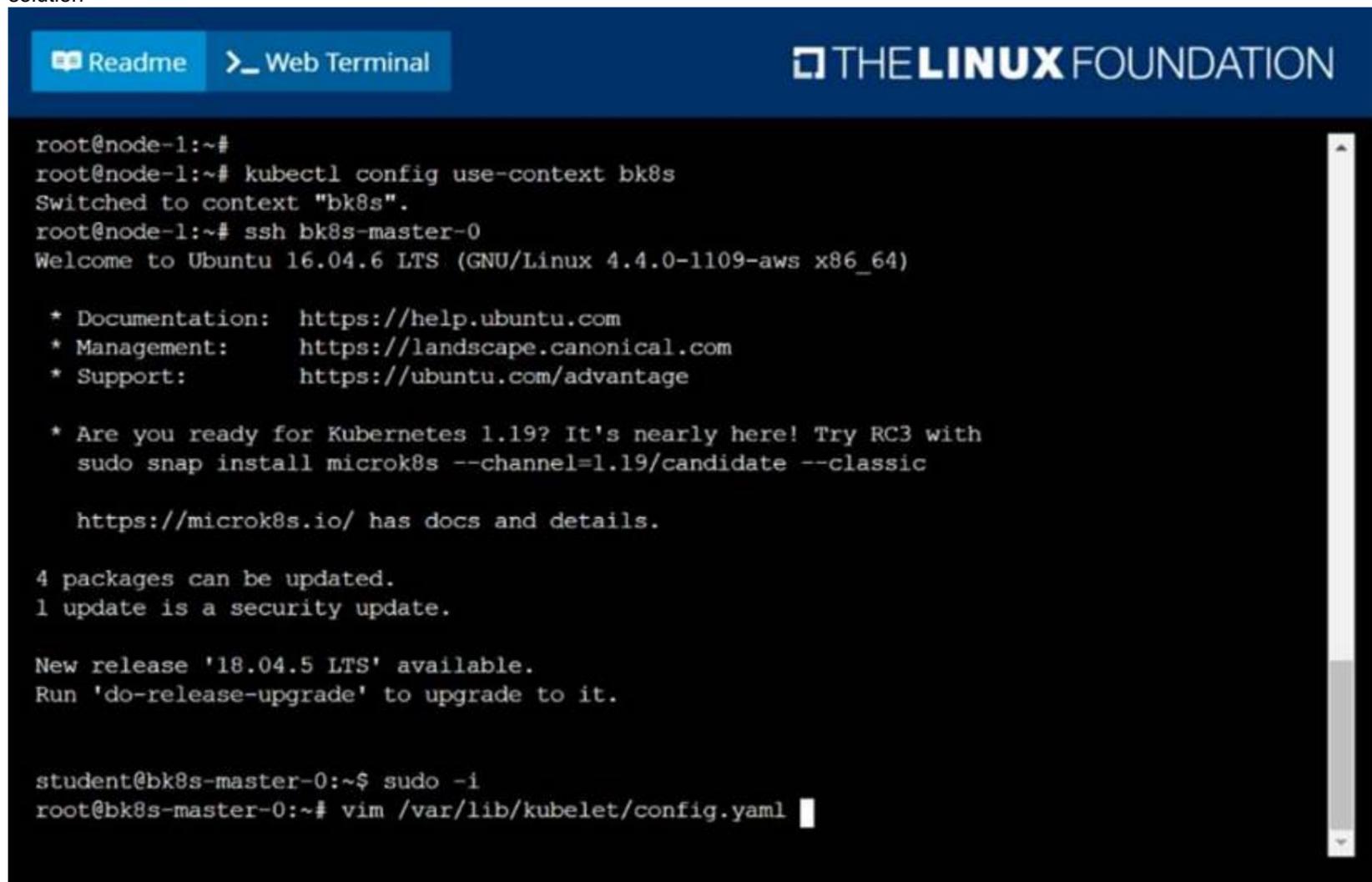
You can assume elevated privileges on any node in the cluster with the following command:

```
[student@nodename] $ | sudo -i
```

- A. Mastered
- B. Not Mastered

**Answer:** A

Explanation:  
 solution



The screenshot shows a web terminal interface with a blue header containing 'THE LINUX FOUNDATION' logo and navigation buttons for 'Readme' and 'Web Terminal'. The terminal output shows the following sequence of commands and responses:

```

root@node-1:~#
root@node-1:~# kubectl config use-context bk8s
Switched to context "bk8s".
root@node-1:~# ssh bk8s-master-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@bk8s-master-0:~$ sudo -i
root@bk8s-master-0:~# vim /var/lib/kubelet/config.yaml
    
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\23 C.JPG

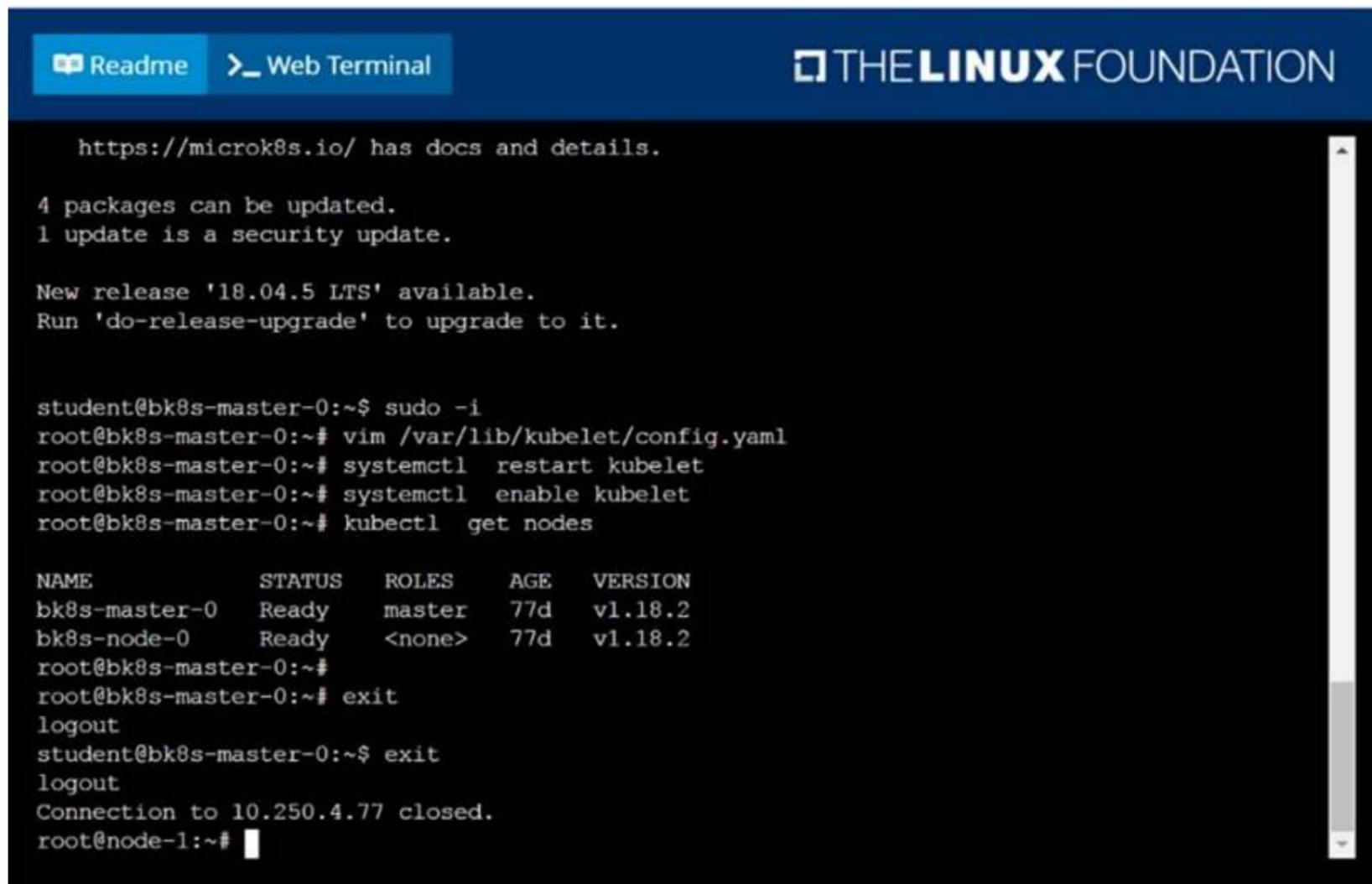


The screenshot shows a web terminal interface with a blue header containing 'THE LINUX FOUNDATION' logo and navigation buttons for 'Readme' and 'Web Terminal'. The terminal output shows the contents of the kubelet configuration file:

```

authorization:
  mode: Webhook
  webhook:
    cacheAuthorizedTTL: 0s
    cacheUnauthorizedTTL: 0s
clusterDNS:
- 10.96.0.10
clusterDomain: cluster.local
cpuManagerReconcilePeriod: 0s
evictionPressureTransitionPeriod: 0s
fileCheckFrequency: 0s
healthzBindAddress: 127.0.0.1
healthzPort: 10248
httpCheckFrequency: 0s
imageMinimumGCAge: 0s
kind: KubeletConfiguration
nodeStatusReportFrequency: 0s
nodeStatusUpdateFrequency: 0s
rotateCertificates: true
runtimeRequestTimeout: 0s
staticPodPath: /etc/kubernetes/manifests
streamingConnectionIdleTimeout: 0s
syncFrequency: 0s
volumeStatsAggPeriod: 0s
:wg
    
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\23 D.JPG



The screenshot shows a web terminal interface with a blue header containing 'Readme' and 'Web Terminal' buttons, and 'THE LINUX FOUNDATION' logo. The terminal output is as follows:

```

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@bk8s-master-0:~$ sudo -i
root@bk8s-master-0:~# vim /var/lib/kubelet/config.yaml
root@bk8s-master-0:~# systemctl restart kubelet
root@bk8s-master-0:~# systemctl enable kubelet
root@bk8s-master-0:~# kubectl get nodes

NAME             STATUS    ROLES    AGE   VERSION
bk8s-master-0   Ready    master   77d   v1.18.2
bk8s-node-0     Ready    <none>   77d   v1.18.2
root@bk8s-master-0:~#
root@bk8s-master-0:~# exit
logout
student@bk8s-master-0:~$ exit
logout
Connection to 10.250.4.77 closed.
root@node-1:~#

```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\23 E.JPG

**NEW QUESTION 35**

CORRECT TEXT

Create a pod that echo "hello world" and then exists. Have the pod deleted automatically when it's completed

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

kubectl run busybox --image=busybox -it --rm --restart=Never --  
/bin/sh -c 'echo hello world'  
kubectl get po # You shouldn't see pod with the name "busybox"

**NEW QUESTION 40**

CORRECT TEXT

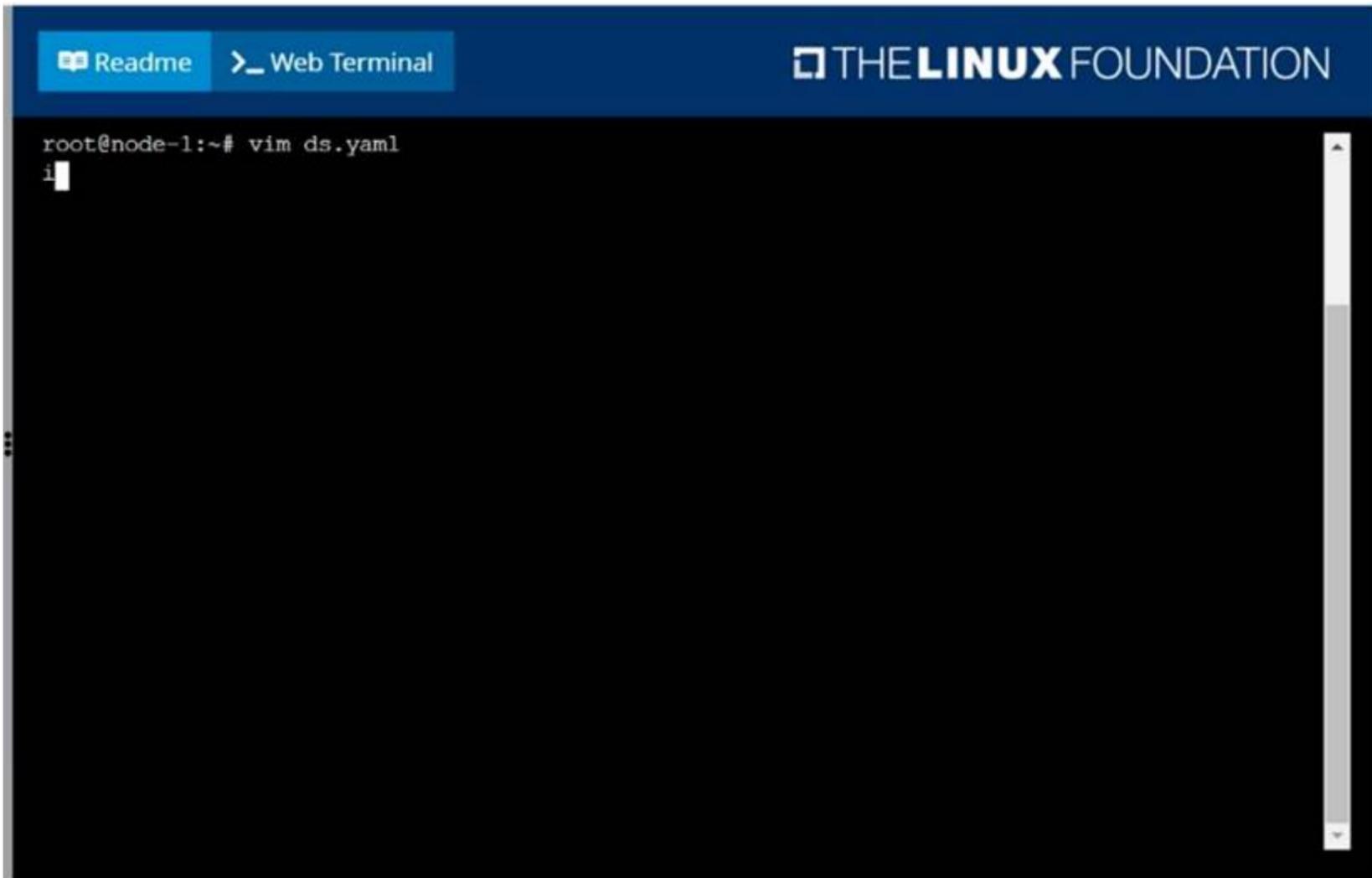
Ensure a single instance of pod nginx is running on each node of the Kubernetes cluster where nginx also represents the Image name which has to be used. Do not override any taints currently in place. Use DaemonSet to complete this task and use ds-kusc00201 as DaemonSet name.

- A. Mastered
- B. Not Mastered

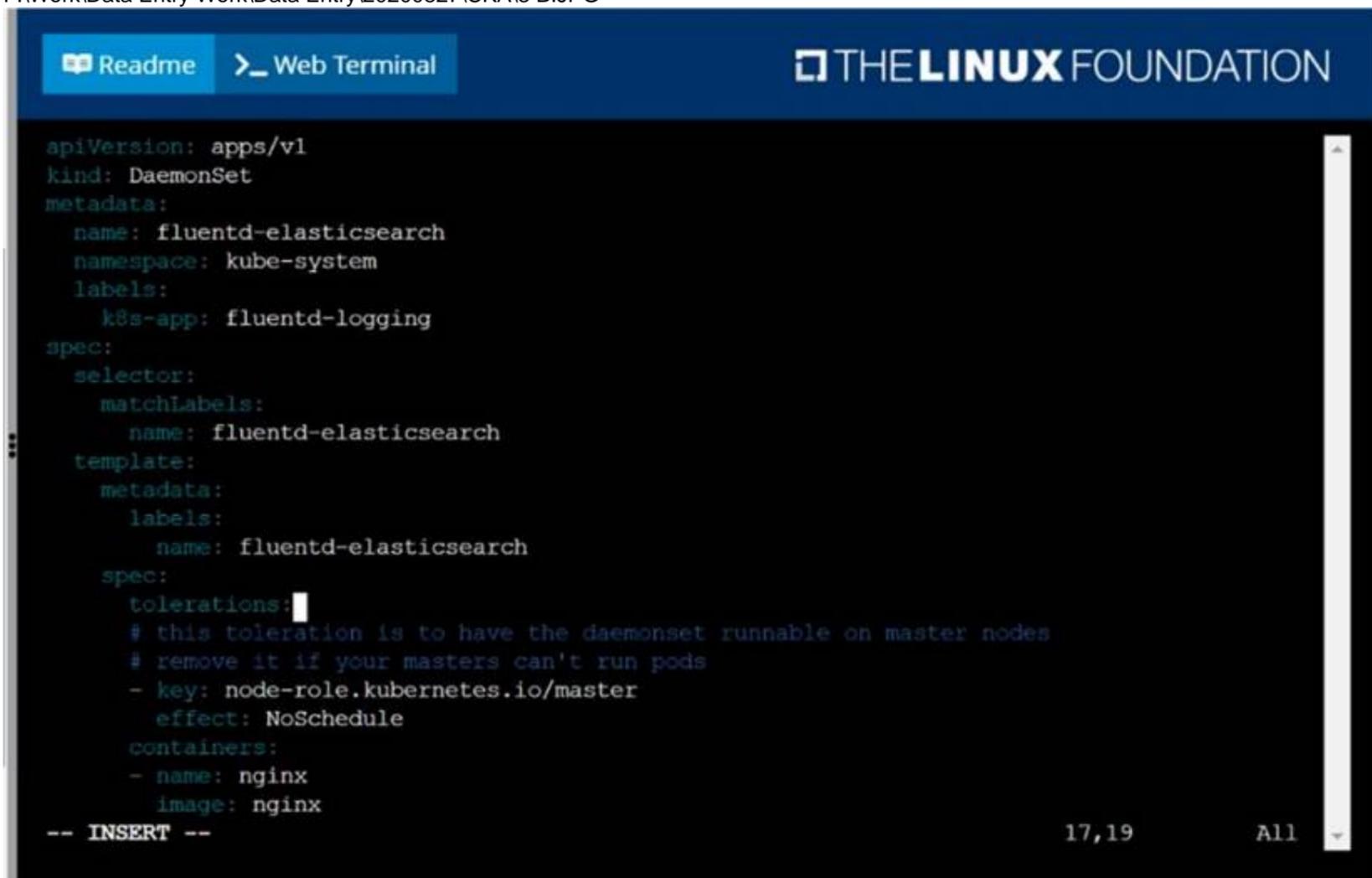
**Answer:** A

**Explanation:**

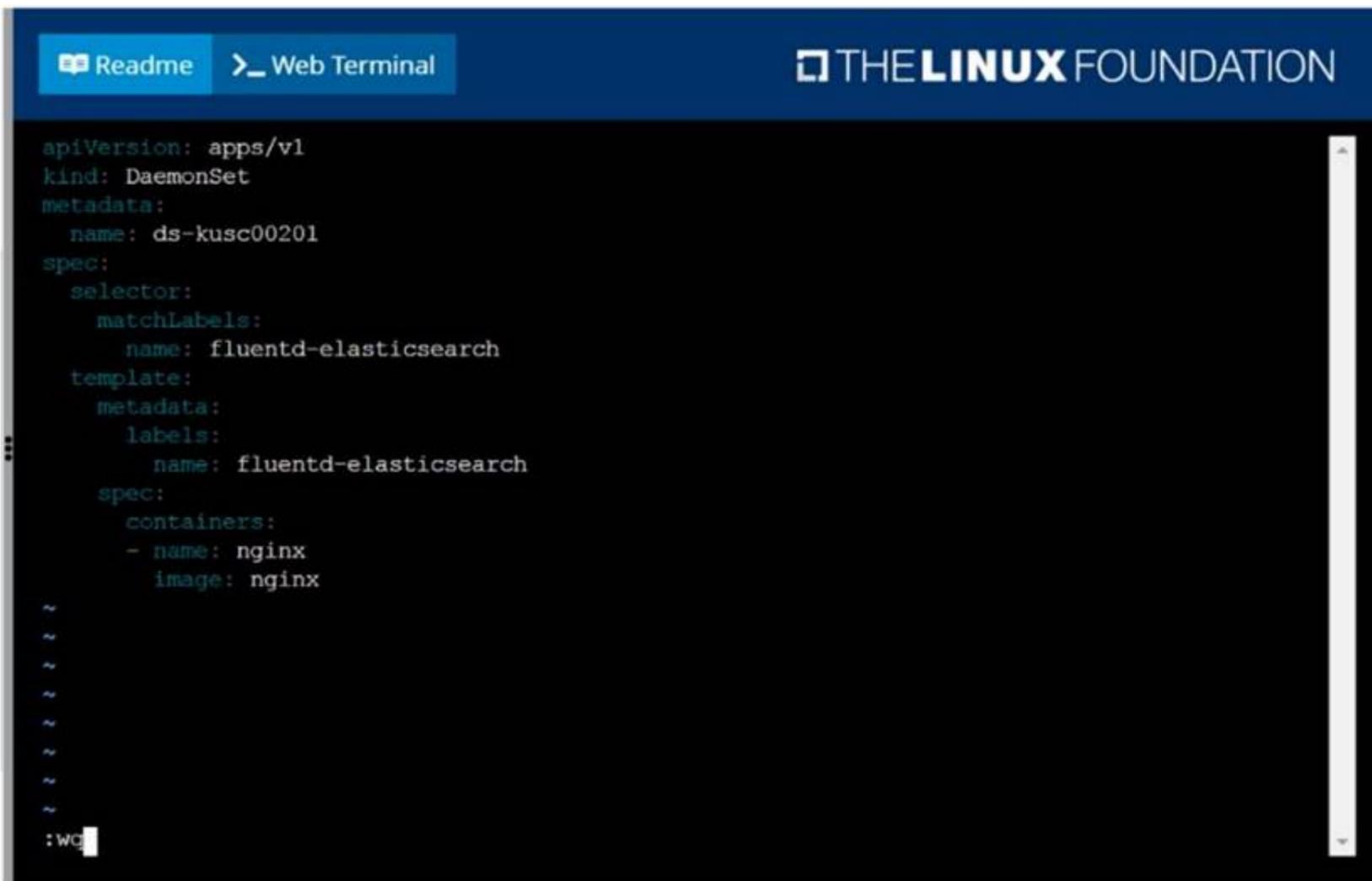
solution



F:\Work\Data Entry Work\Data Entry\20200827\CKA\3 B.JPG



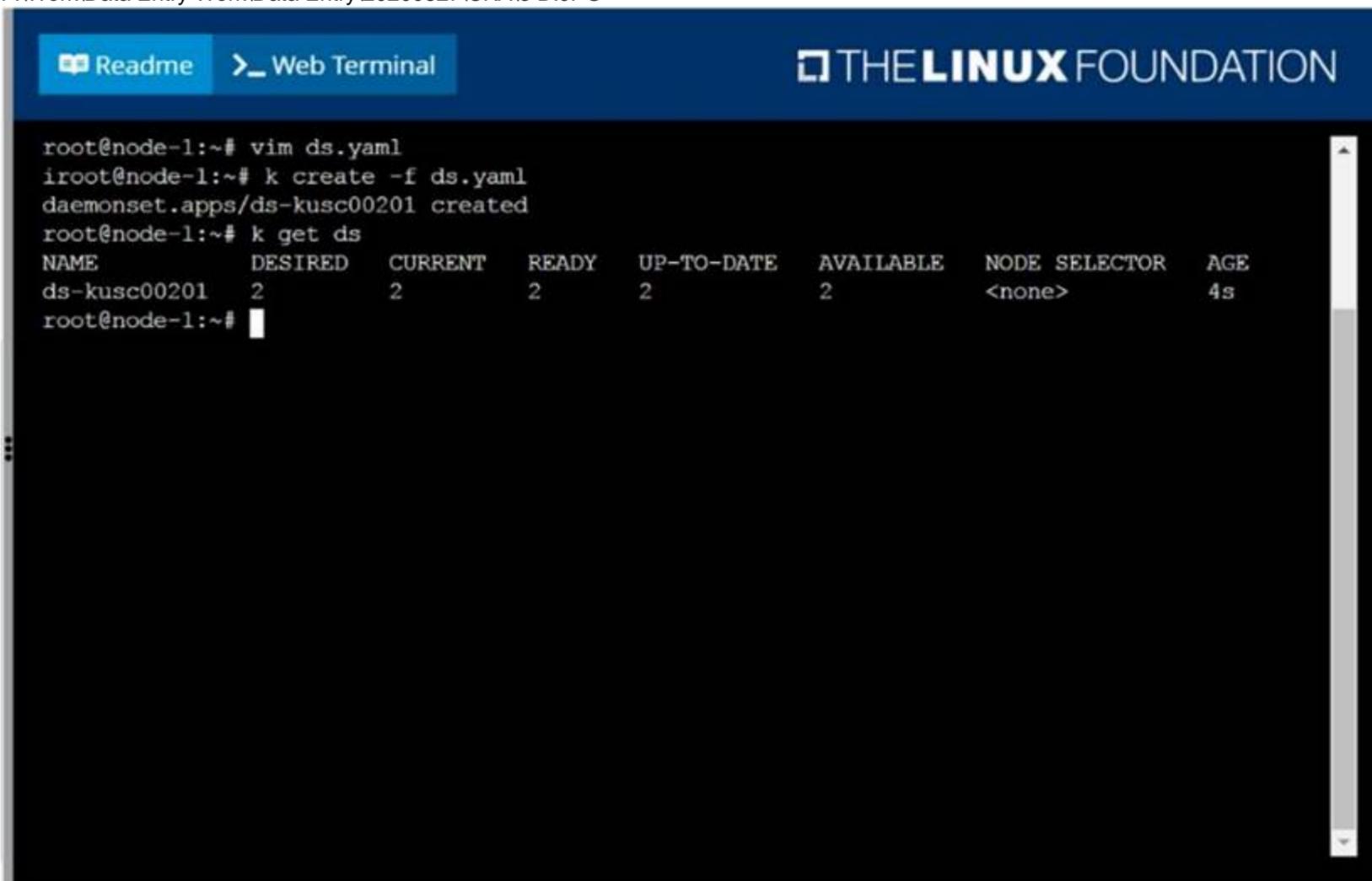
F:\Work\Data Entry Work\Data Entry\20200827\CKA\3 C.JPG



The screenshot shows a web terminal interface with a blue header containing 'THE LINUX FOUNDATION' logo and navigation buttons for 'Readme' and 'Web Terminal'. The terminal content displays the following Kubernetes manifest:

```
apiVersion: apps/v1
kind: DaemonSet
metadata:
  name: ds-kusc00201
spec:
  selector:
    matchLabels:
      name: fluentd-elasticsearch
  template:
    metadata:
      labels:
        name: fluentd-elasticsearch
    spec:
      containers:
      - name: nginx
        image: nginx
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\3 D.JPG



The screenshot shows a web terminal interface with a blue header containing 'THE LINUX FOUNDATION' logo and navigation buttons for 'Readme' and 'Web Terminal'. The terminal content shows the following commands and output:

```
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:~#
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\3 E.JPG

**NEW QUESTION 45**

CORRECT TEXT

Get list of all the pods showing name and namespace with a jsonpath expression.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

kubectl get pods -o=jsonpath="{.items[\*]['metadata.name','metadata.namespace']}"

**NEW QUESTION 46**

CORRECT TEXT

Create a pod as follows:

? Name: non-persistent-redis

? container Image: redis

? Volume with name: cache-control

? Mount path: /data/redis

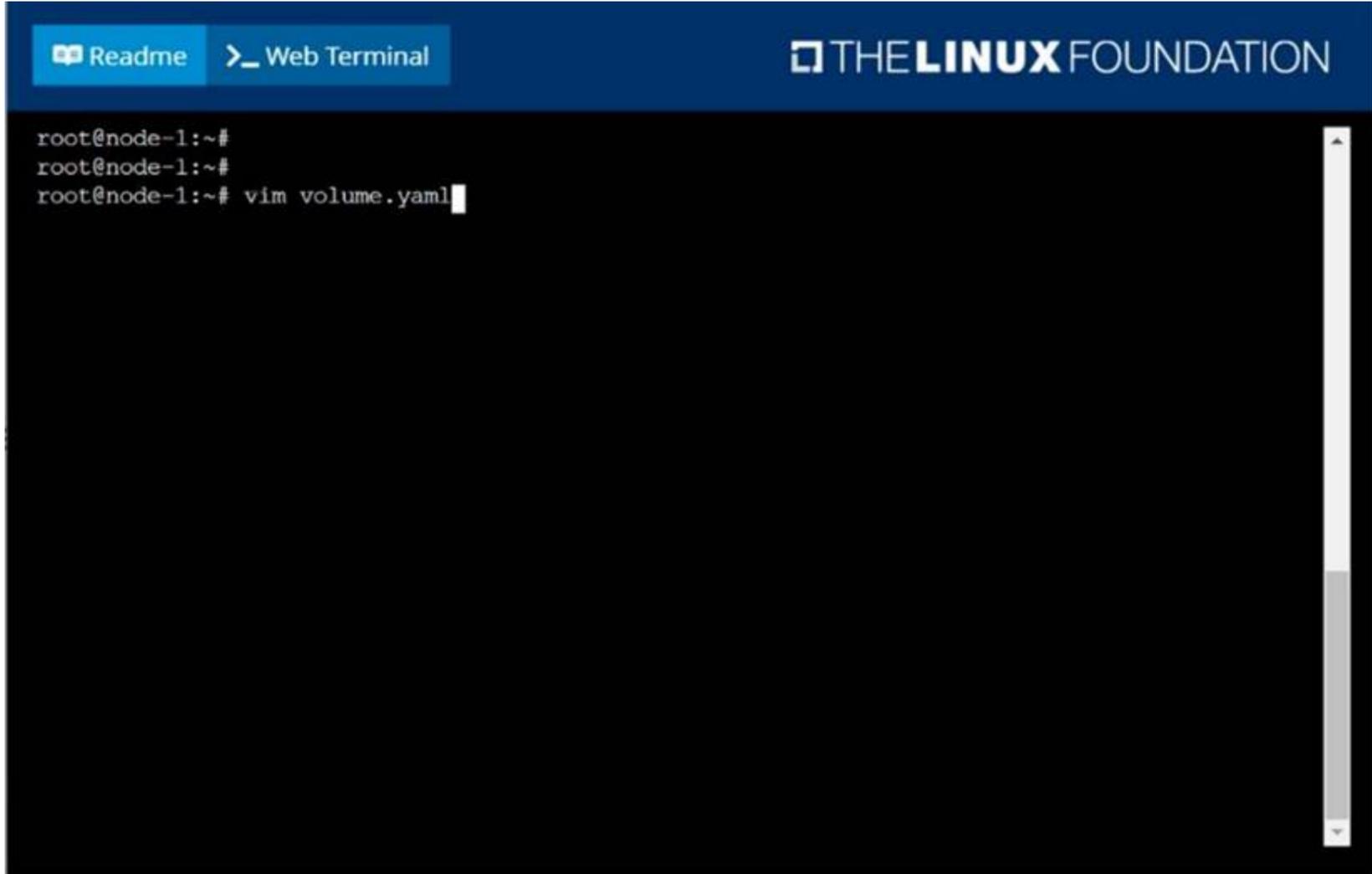
The pod should launch in the staging namespace and the volume must not be persistent.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

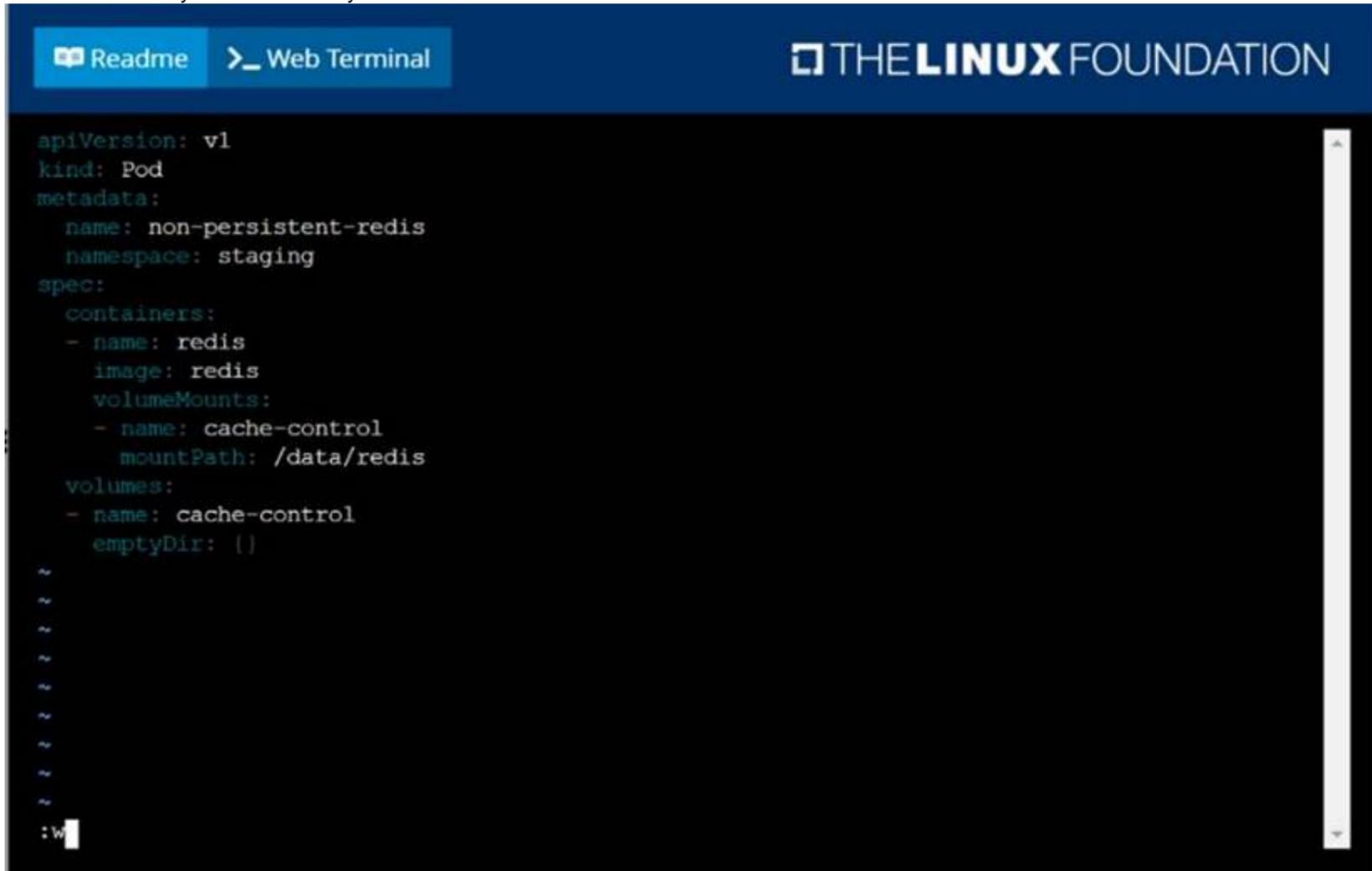


The screenshot shows a web terminal interface from The Linux Foundation. At the top, there are buttons for 'Readme' and 'Web Terminal'. The terminal content shows a user at the root prompt on 'node-1' running the command 'vim volume.yaml'.

```

root@node-1:~#
root@node-1:~#
root@node-1:~# vim volume.yaml
    
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\13 B.JPG

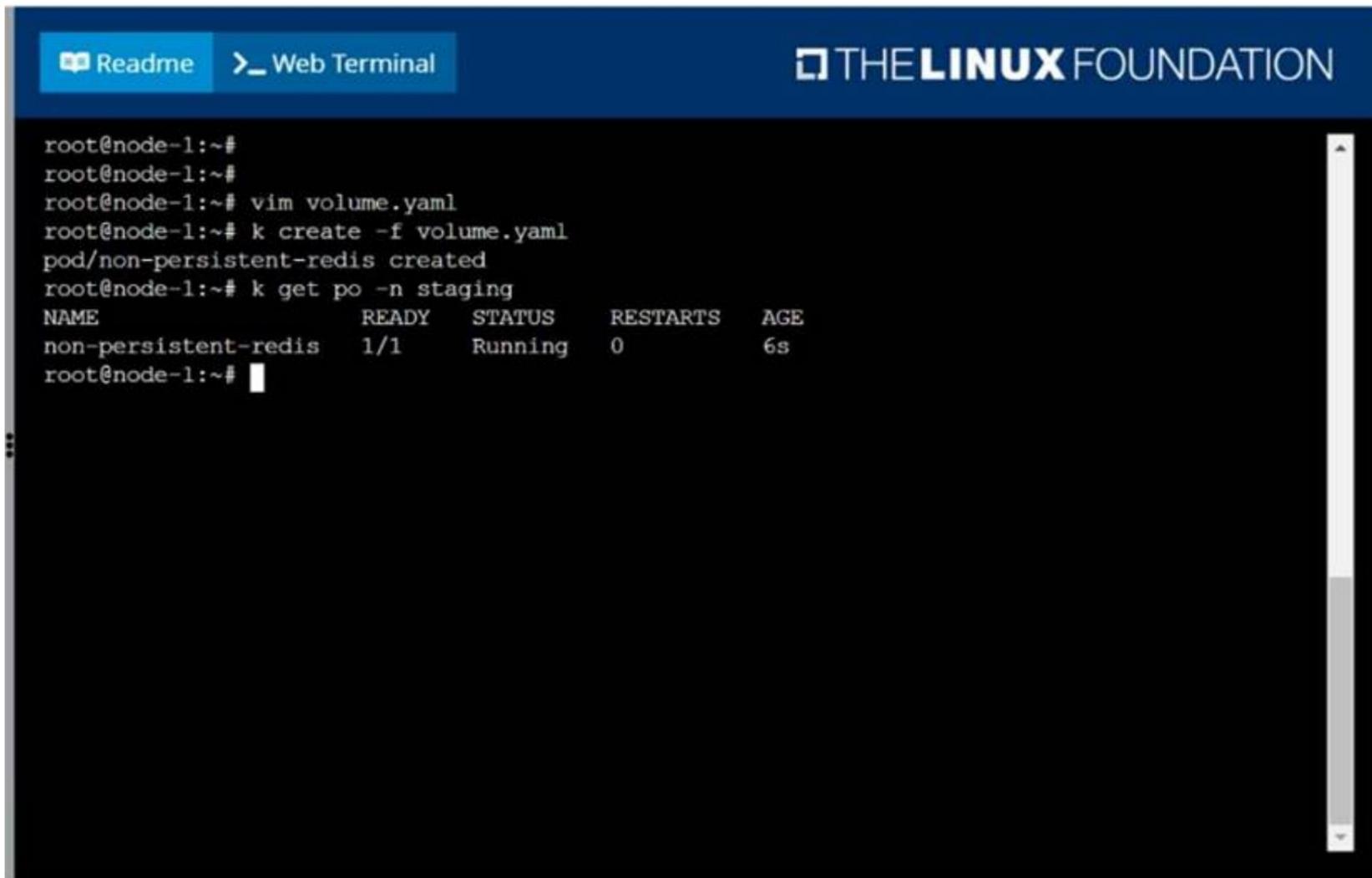


The screenshot shows the same web terminal interface, but now displaying the contents of the 'volume.yaml' file. The file defines a Pod in the 'staging' namespace with a Redis container and a cache-control volume.

```

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
    
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\13 C.JPG



```

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:~#

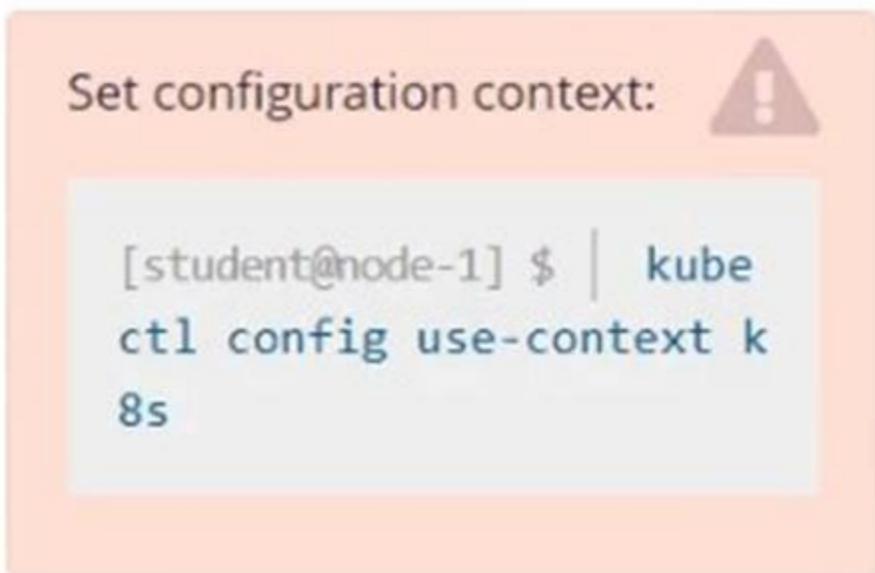
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\13 D.JPG

**NEW QUESTION 48**

CORRECT TEXT

Score: 4%



**Task**

Create a pod named kucc8 with a single app container for each of the following images running inside (there may be between 1 and 4 images specified): nginx + redis + memcached .

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:  
 kubectl run kucc8 --image=nginx --dry-run -o yaml > kucc8.yaml  
 # vi kucc8.yaml  
 apiVersion: v1  
 kind: Pod  
 metadata:  
 creationTimestamp: null  
 name: kucc8  
 spec:  
 containers:  
 - image: nginx  
 name: nginx  
 - image: redis  
 name: redis

```
- image: memcached
name: memcached
- image: consul
name: consul
#
kubectl create -f kucc8.yaml
#12.07
```

**NEW QUESTION 53**

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 58**

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 62**

CORRECT TEXT

List all the pods showing name and namespace with a json path expression

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

kubectl get pods -o=jsonpath="{.items[\*]['metadata.name', 'metadata.namespace']}"

**NEW QUESTION 66**

CORRECT TEXT

Create a persistent volume with name app-data, of capacity 2Gi and access mode ReadWriteMany. The type of volume is hostPath and its location is /srv/app-data.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



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 73**

CORRECT TEXT

Create a busybox pod that runs the command "env" and save the output to "envpod" file

- A. Mastered
- B. Not Mastered

**Answer:** A

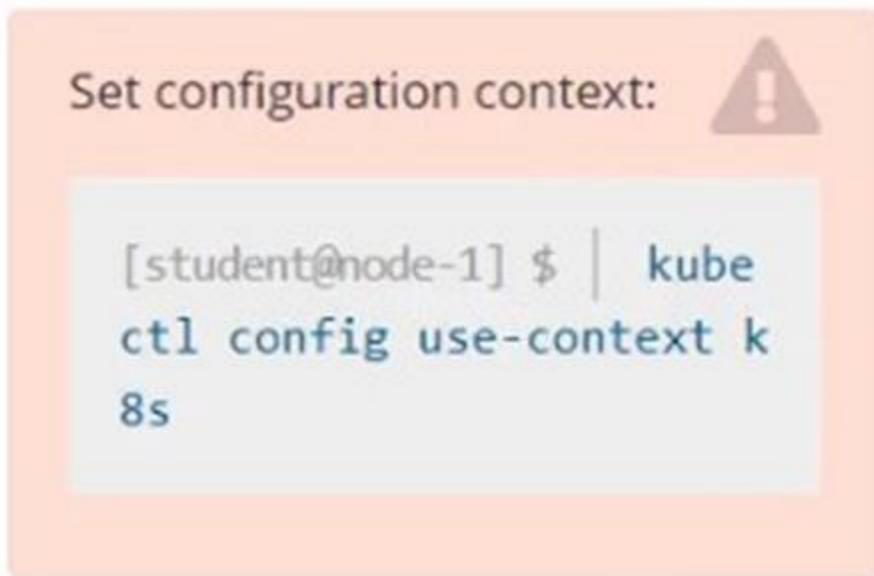
**Explanation:**

kubectl run busybox --image=busybox --restart=Never --rm -it -- env > envpod.yaml

**NEW QUESTION 75**

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

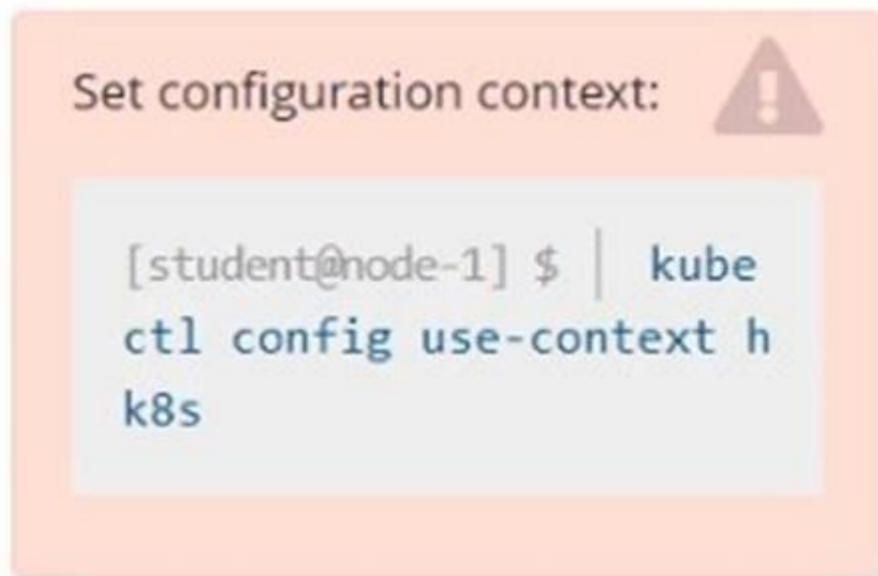
**Explanation:**

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

**NEW QUESTION 76**

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 81

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 83**

.....

## **Thank You for Trying Our Product**

### **We offer two products:**

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

### **CKA Practice Exam Features:**

- \* CKA Questions and Answers Updated Frequently
- \* CKA Practice Questions Verified by Expert Senior Certified Staff
- \* CKA Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- \* CKA Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

**100% Actual & Verified — Instant Download, Please Click**  
**[Order The CKA Practice Test Here](#)**