

# Linux-Foundation

## Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program



### NEW QUESTION 1

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:

kubect1 create namespace development

kubect1 run nginx --image=nginx --restart=Never -n development

### NEW QUESTION 2

CORRECT TEXT

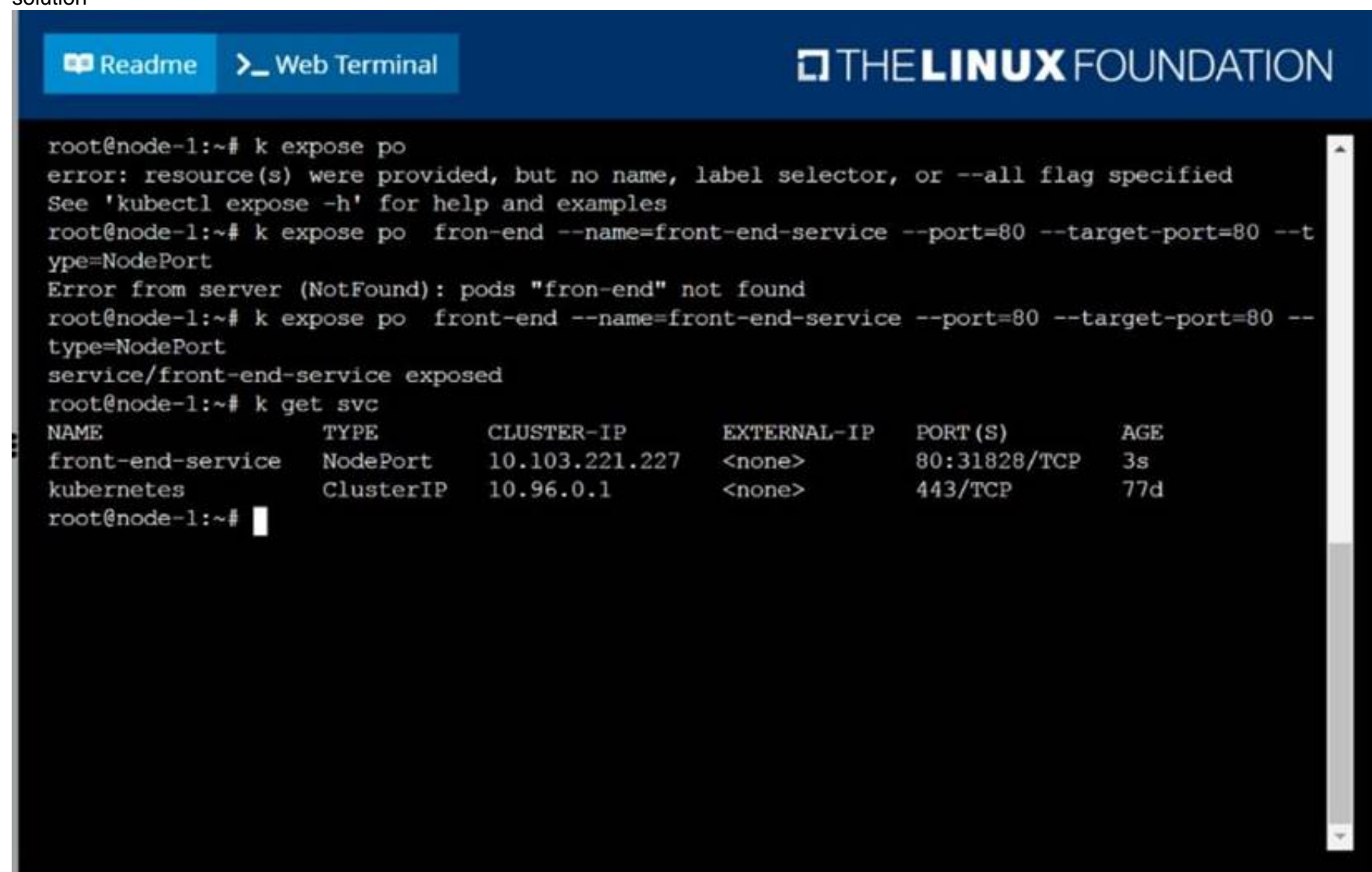
Create and configure the service front-end-service so it's accessible through NodePort and routes to the existing pod named front-end.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

solution



```
root@node-1:~# k expose po
error: resource(s) were provided, but no name, label selector, or --all flag specified
See 'kubectl expose -h' for help and examples
root@node-1:~# k expose po  fron-end --name=front-end-service --port=80 --target-port=80 --t
ype=NodePort
Error from server (NotFound): pods "fron-end" not found
root@node-1:~# k expose po  front-end --name=front-end-service --port=80 --target-port=80 --
type=NodePort
service/front-end-service exposed
root@node-1:~# k get svc
NAME                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
front-end-service    NodePort            10.103.221.227   <none>           80:31828/TCP     3s
kubernetes           ClusterIP           10.96.0.1        <none>           443/TCP          77d
root@node-1:~#
```

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### NEW QUESTION 3

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 4

CORRECT TEXT

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 5**

CORRECT TEXT

Score: 4%



Task

Schedule a pod as follows:

- Name: nginx-kusc00401
- Image: nginx
- Node selector: disk=ssd

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

```
#yaml
apiVersion: v1
kind: Pod
metadata:
  name: nginx-kusc00401
spec:
  containers:
  - name: nginx
    image: nginx
    imagePullPolicy: IfNotPresent
  nodeSelector:
    disk: spinning
#
kubect1 create -f node-select.yaml
```

**NEW QUESTION 6**

CORRECT TEXT

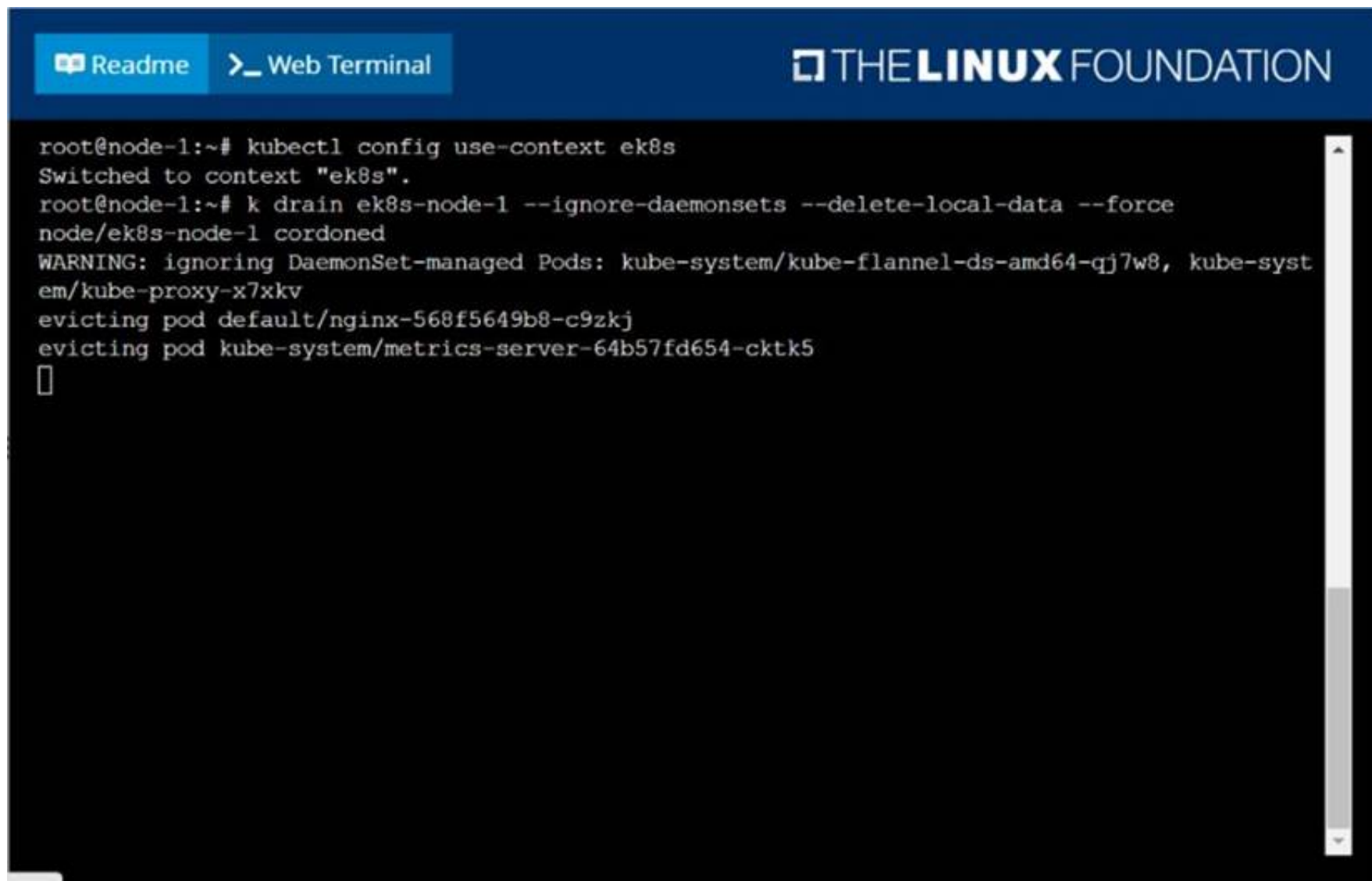
Set the node named ek8s-node-1 as unavailable and reschedule all the pods running on it.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution



```
root@node-1:~# kubectl config use-context ek8s
Switched to context "ek8s".
root@node-1:~# k drain ek8s-node-1 --ignore-daemonsets --delete-local-data --force
node/ek8s-node-1 cordoned
WARNING: ignoring DaemonSet-managed Pods: kube-system/kube-flannel-ds-amd64-qj7w8, kube-system/kube-proxy-x7xkv
evicting pod default/nginx-568f5649b8-c9zkj
evicting pod kube-system/metrics-server-64b57fd654-cktk5
[]
```

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#### 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

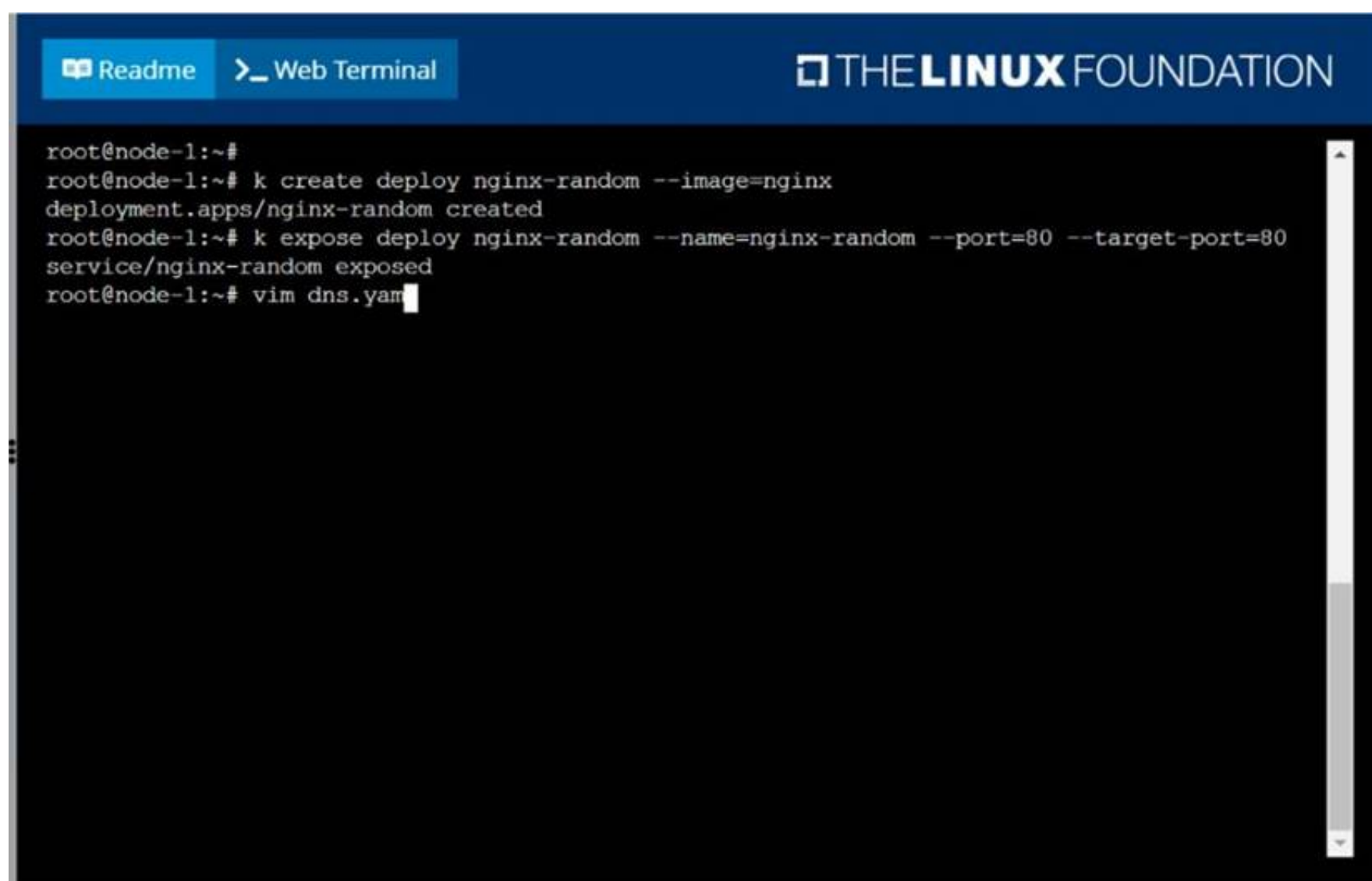
Next, use the utility nslookup to look up the DNS records of the service & pod and write the output to /opt/KUNW00601/service.dns and /opt/KUNW00601/pod.dns respectively.

- A. Mastered
- B. Not Mastered

**Answer:** A

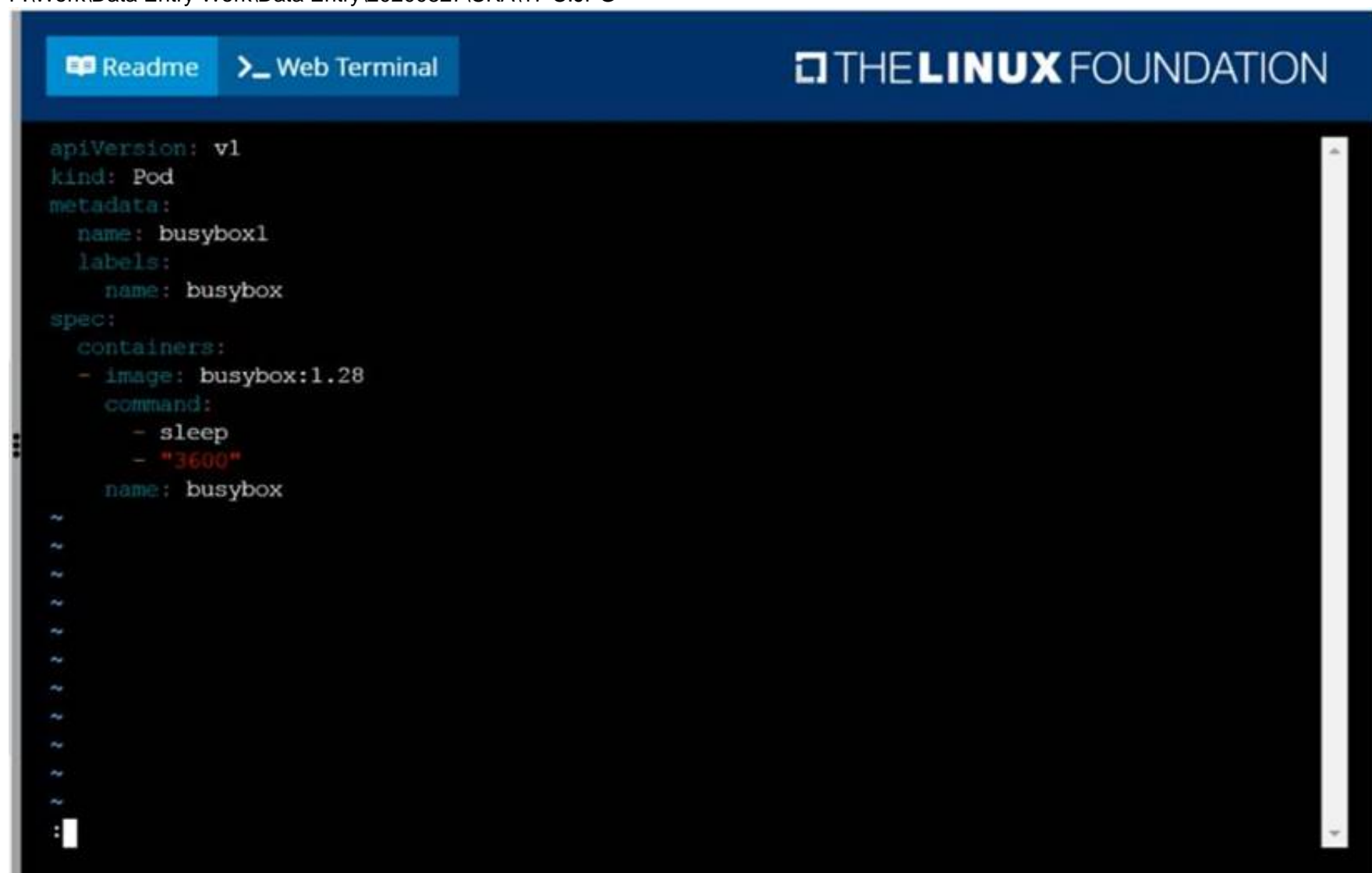
##### Explanation:

Solution:



```
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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```
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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```

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  
Score: 7%



No configuration context change required for this task.

Ensure, however, that you have returned to the base node before starting to work on this task:

```

[student@mk8s-master-0]
$
exit

```

Task  
First, create a snapshot of the existing etcd instance running at <https://127.0.0.1:2379>, saving the snapshot to `/srv/data/etcd-snapshot.db`.

Creating a snapshot of the given instance is expected to complete in seconds.

If the operation seems to hang, something's likely wrong with your command. Use **CTRL + C** to cancel the operation and try again.

Next, restore an existing, previous snapshot located at `/var/lib/backup/etcd-snapshot-previo us.db`

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

- CA certificate:  
`/opt/KUIN00601/ca.crt`
- Client certificate:  
`/opt/KUIN00601/etcd-client.crt`
- Client key:  
`/opt/KUIN00601/etcd-client.key`

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

`#backup`

`ETCDCTL_API=3 etcdctl --endpoints="https://127.0.0.1:2379" --`

`cacert=/opt/KUIN000601/ca.crt --cert=/opt/KUIN000601/etcd-client.crt -- key=/opt/KUIN000601/etcd-client.key snapshot save /etc/data/etcd-snapshot.db`

`#restore`

`ETCDCTL_API=3 etcdctl --endpoints="https://127.0.0.1:2379" --`

`cacert=/opt/KUIN000601/ca.crt --cert=/opt/KUIN000601/etcd-client.crt -- key=/opt/KUIN000601/etcd-client.key snapshot restore /var/lib/backup/etcd-snapshot-previoys.db`

**NEW QUESTION 9**

CORRECT TEXT

Check the Image version of nginx-dev pod using jsonpath

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
kubect1 get po nginx-dev -o
jsonpath='{.spec.containers[].image}'{"\n"}
```

NEW QUESTION 10

CORRECT TEXT

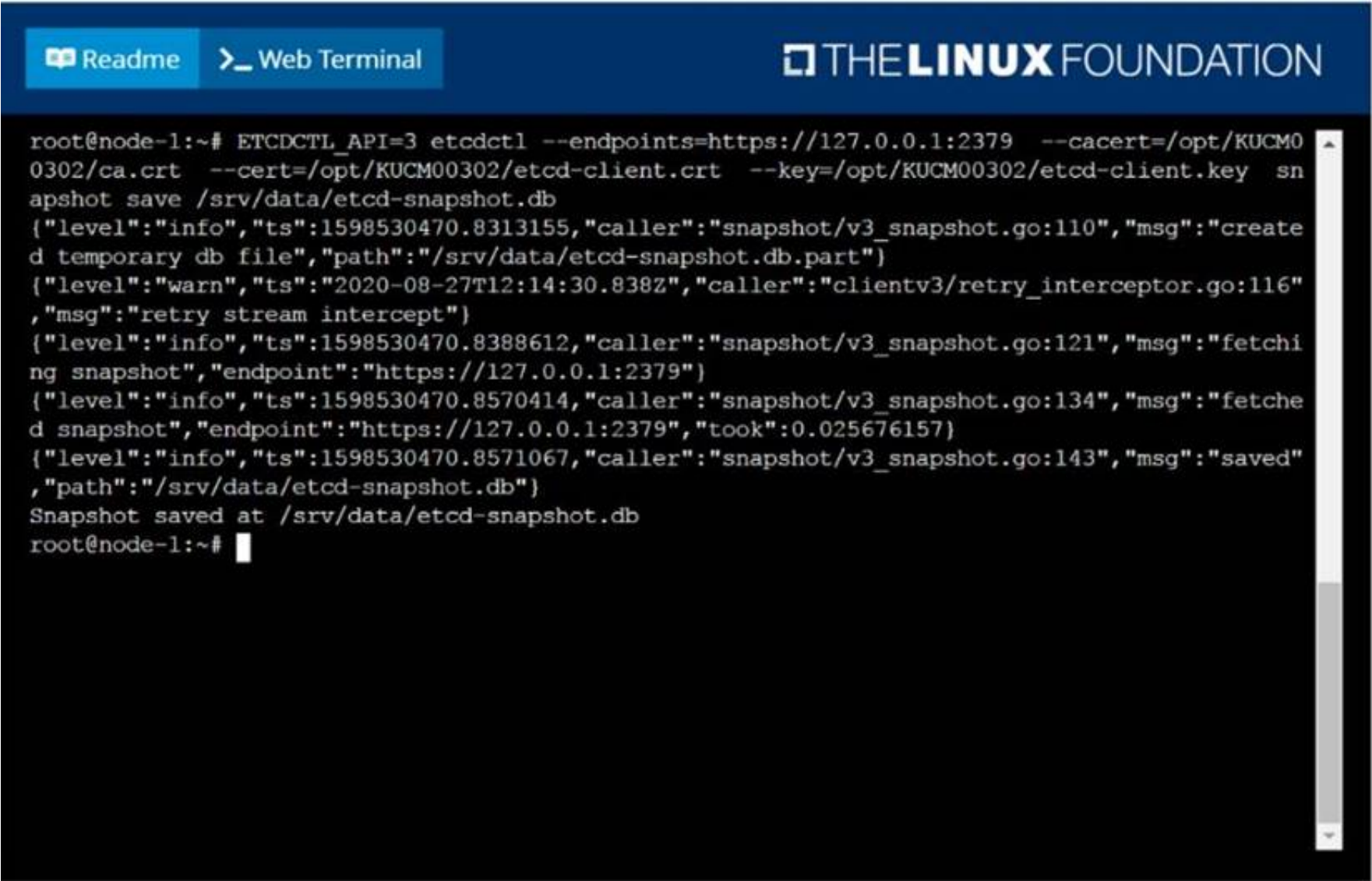
Create a snapshot of the etcd instance running at <https://127.0.0.1:2379>, saving the snapshot to the file path `/srv/data/etcd-snapshot.db`.  
The following TLS certificates/key are supplied for connecting to the server with `etcdctl`:  
? CA certificate: `/opt/KUCM00302/ca.crt`  
? Client certificate: `/opt/KUCM00302/etcd-client.crt`  
? Client key: `Topt/KUCM00302/etcd-client.key`

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution



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NEW QUESTION 10

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 15**

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 20**

CORRECT TEXT

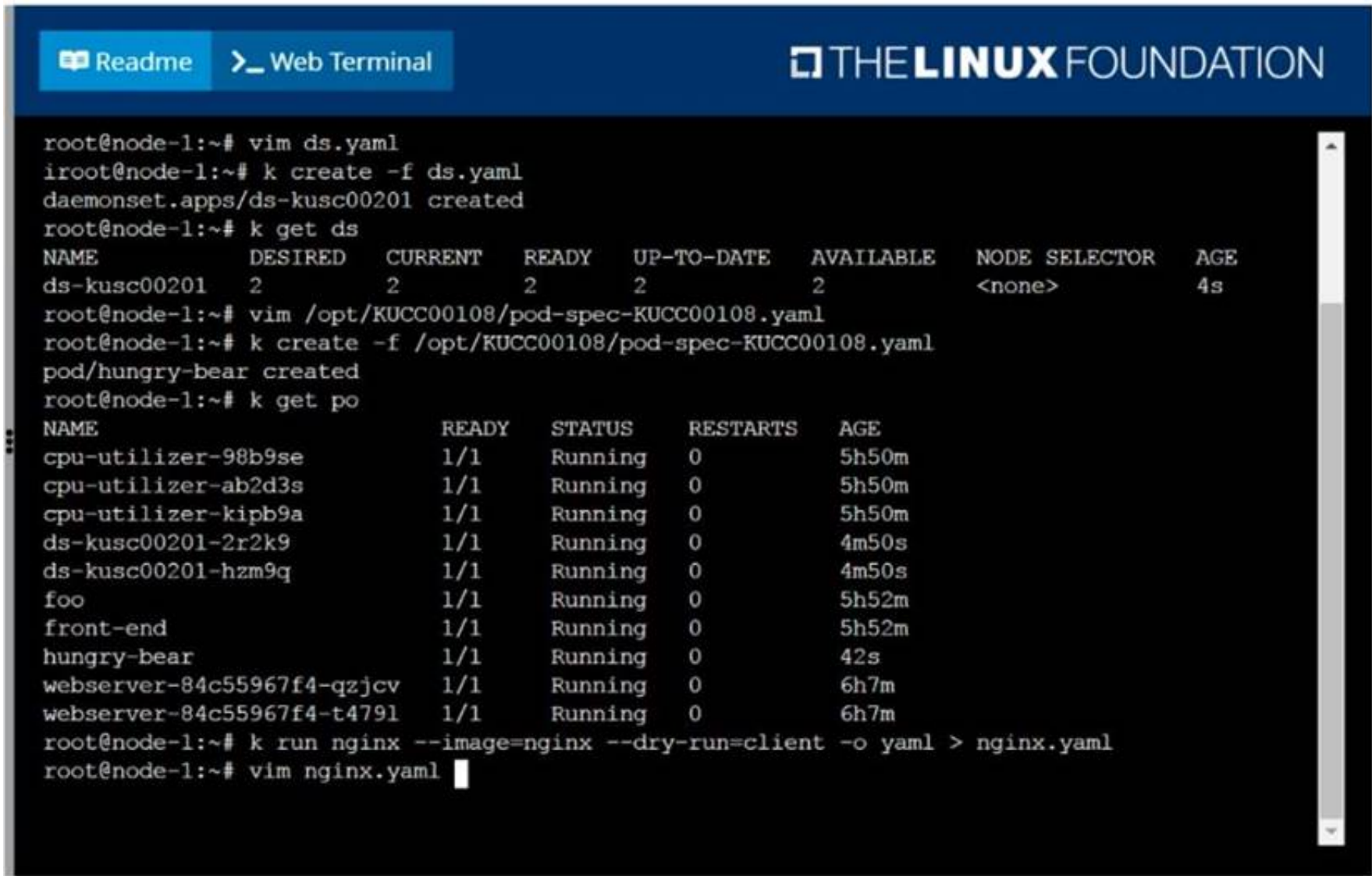
Create a pod named kucc8 with a single app container for each of the following images running inside (there may be between 1 and 4 images specified):  
nginx + redis + memcached.

- A. Mastered
- B. Not Mastered

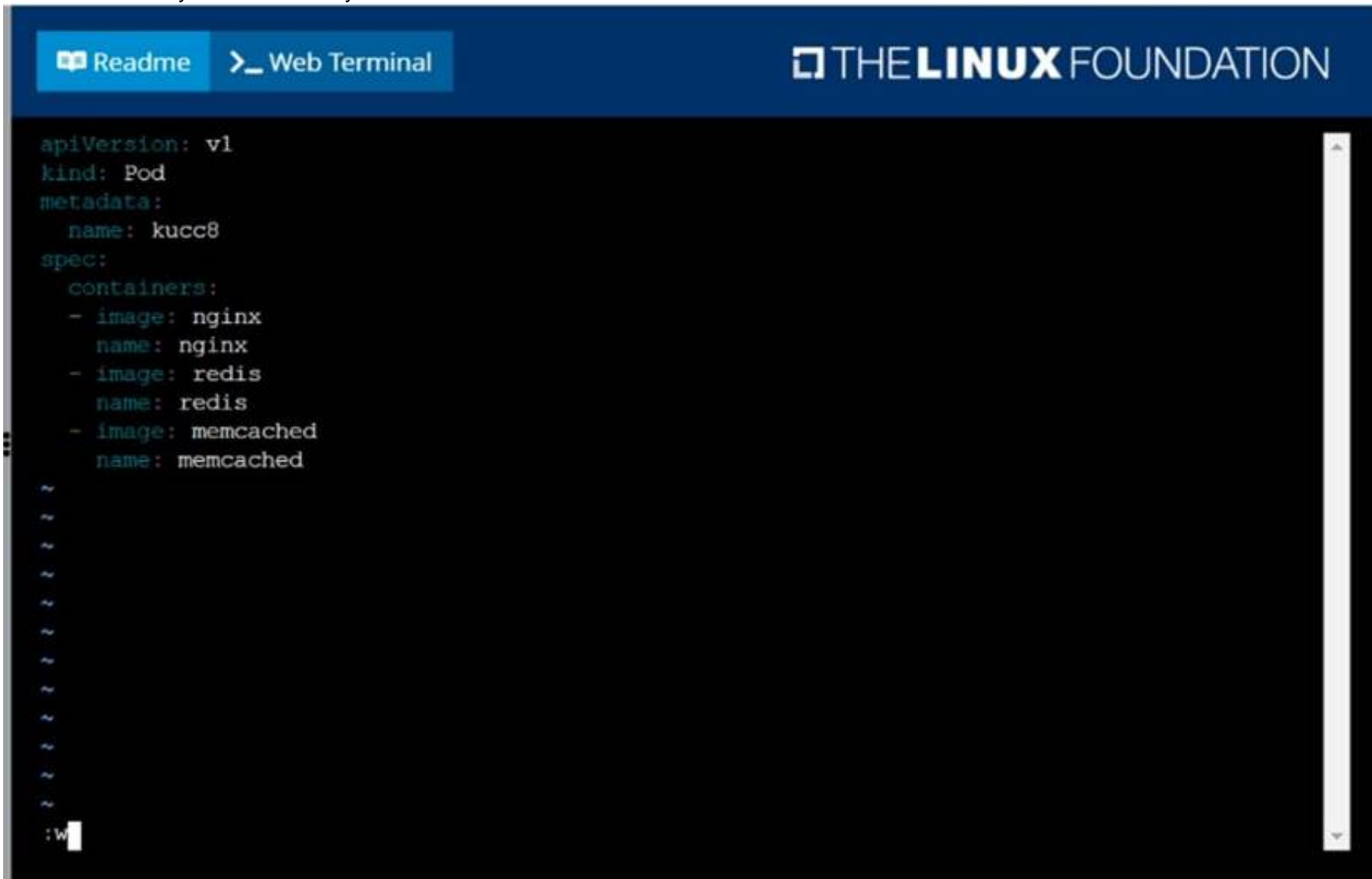
**Answer:** A

**Explanation:**

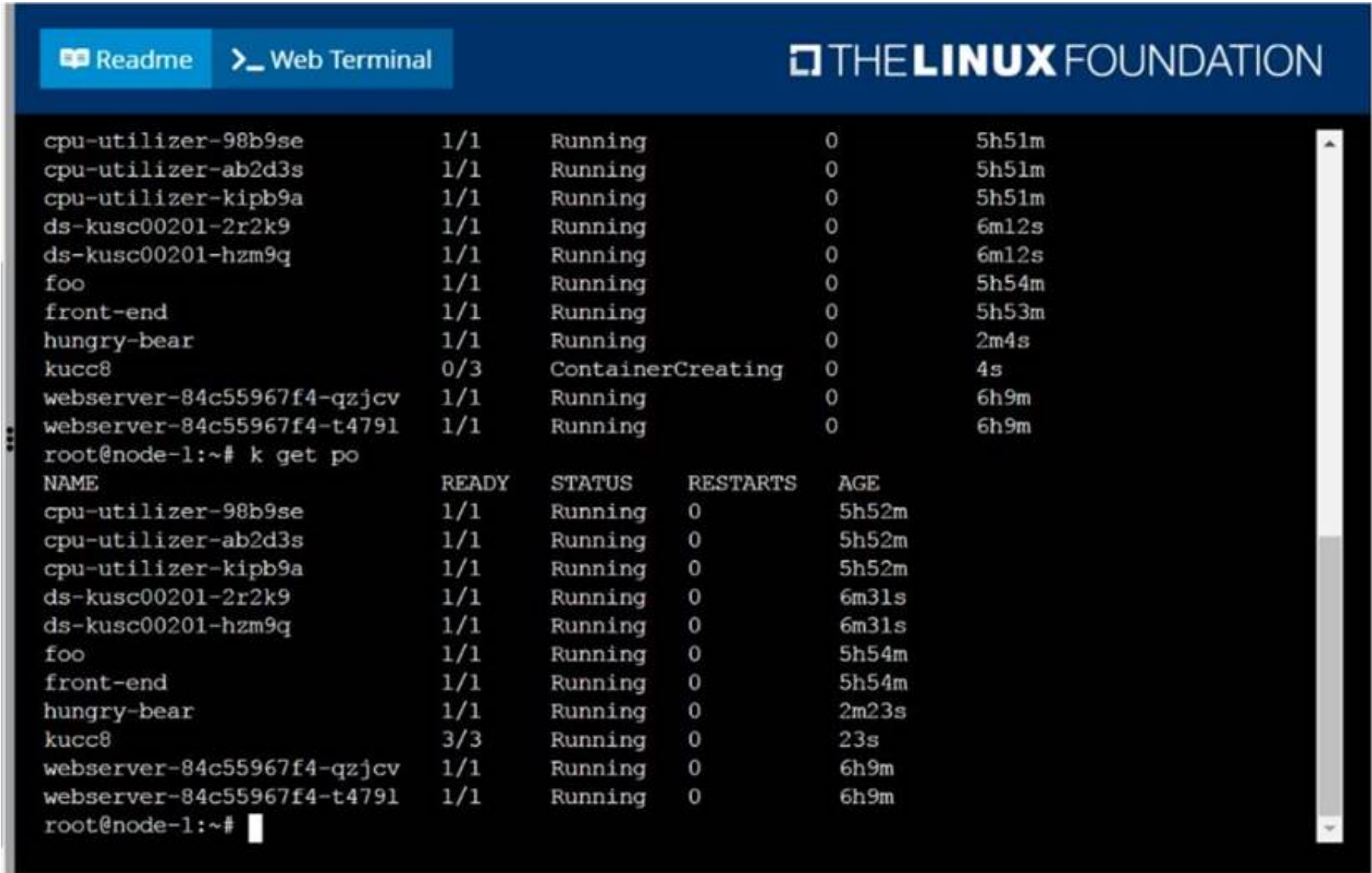
solution



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NEW QUESTION 23

CORRECT TEXT

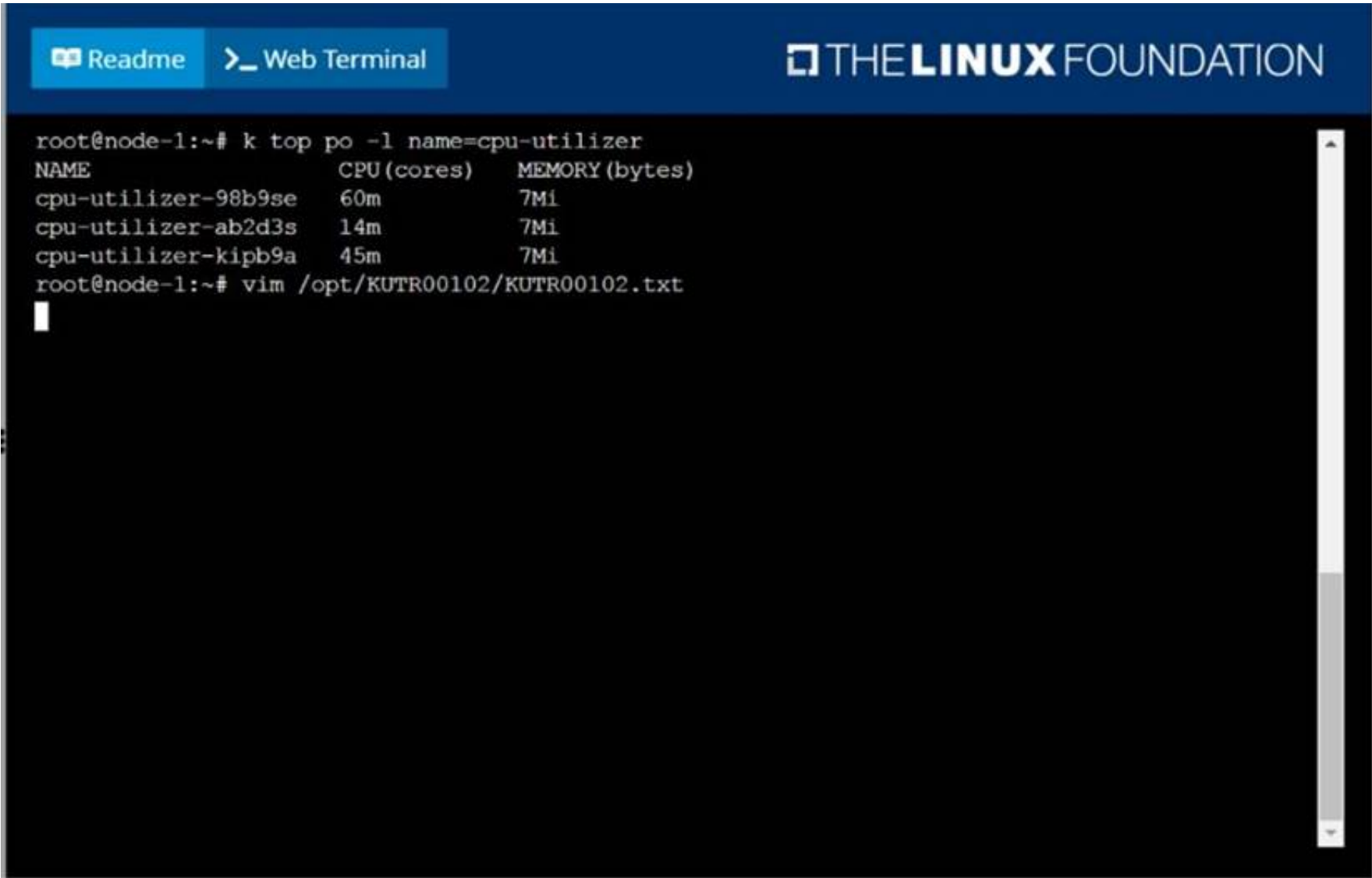
From the pod label name=cpu-utilizer, find pods running high CPU workloads and write the name of the pod consuming most CPU to the file /opt/KUTR00102/KUTR00102.txt (which already exists).

A.

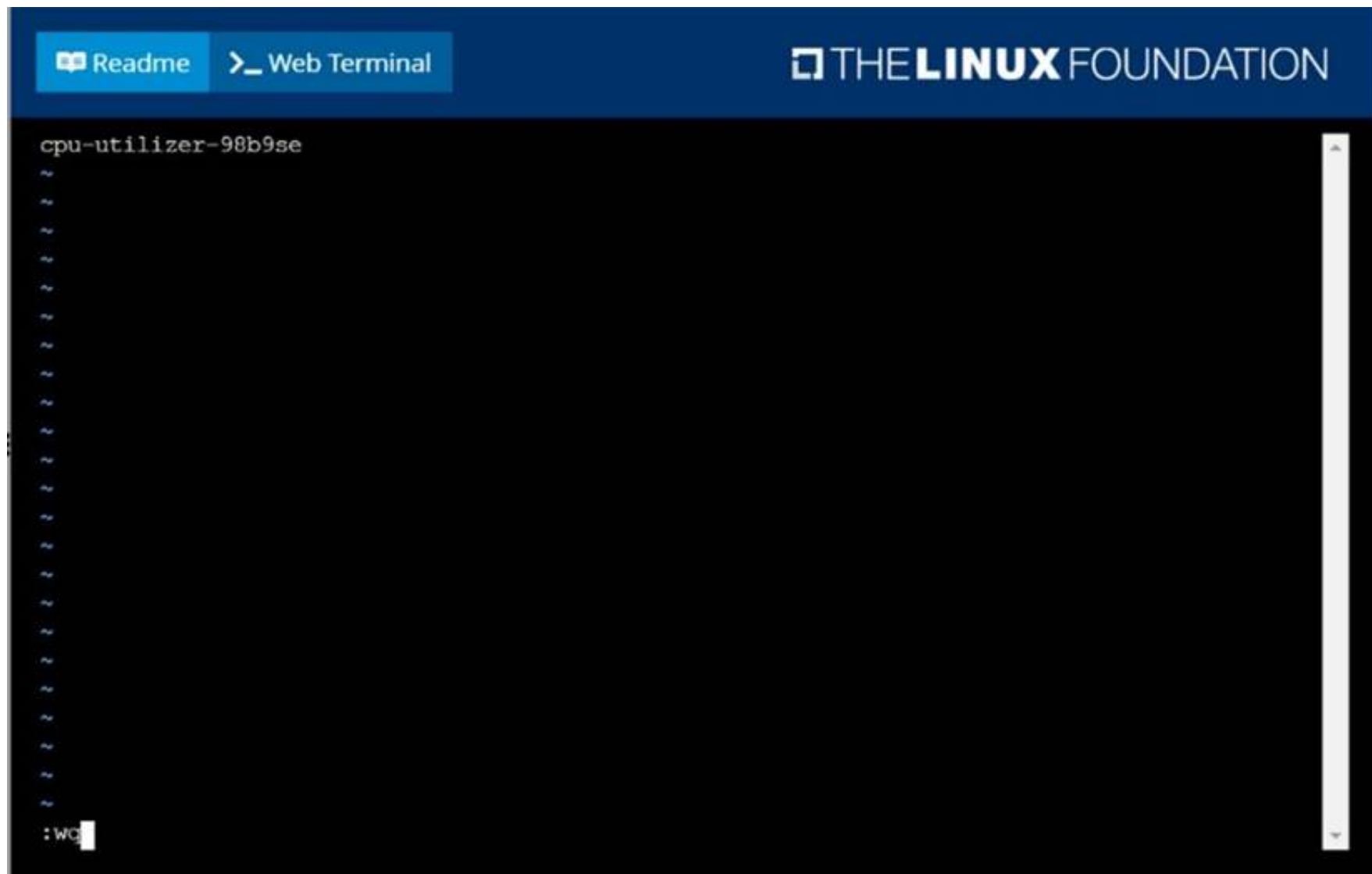
Answer: Seethesolutionbelow.

Explanation:

solution



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#### NEW QUESTION 24

##### 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



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Web Terminal

THE **LINUX** FOUNDATION

```
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
```

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Web Terminal

THE **LINUX** FOUNDATION

```
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
```

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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@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:~# kubect1 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:~#
```

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#### NEW QUESTION 27

CORRECT TEXT

Create a pod as follows:

? Name: mongo

? Using Image: mongo

? In a new Kubernetes namespace named: my-website

A. Mastered

B. Not Mastered

Answer: A

Explanation:

solution

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```
root@node-1:~#
root@node-1:~#
root@node-1:~# k create ns my-website
namespace/my-website created
root@node-1:~# k run mongo --image=mongo -n my-website
pod/mongo created
root@node-1:~# k get po -n my-website
NAME    READY   STATUS             RESTARTS   AGE
mongo   0/1     ContainerCreating   0           4s
root@node-1:~#
```

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**NEW QUESTION 29**

CORRECT TEXT

Score: 4%



Task

Scale the deployment presentation to 6 pods.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Solution:

kubectkl get deployment

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

**NEW QUESTION 34**

CORRECT TEXT

Create a deployment as follows:

? Name: nginx-app

? Using container nginx with version 1.11.10-alpine

? The deployment should contain 3 replicas

Next, deploy the application with new version 1.11.13-alpine, by performing a rolling update.

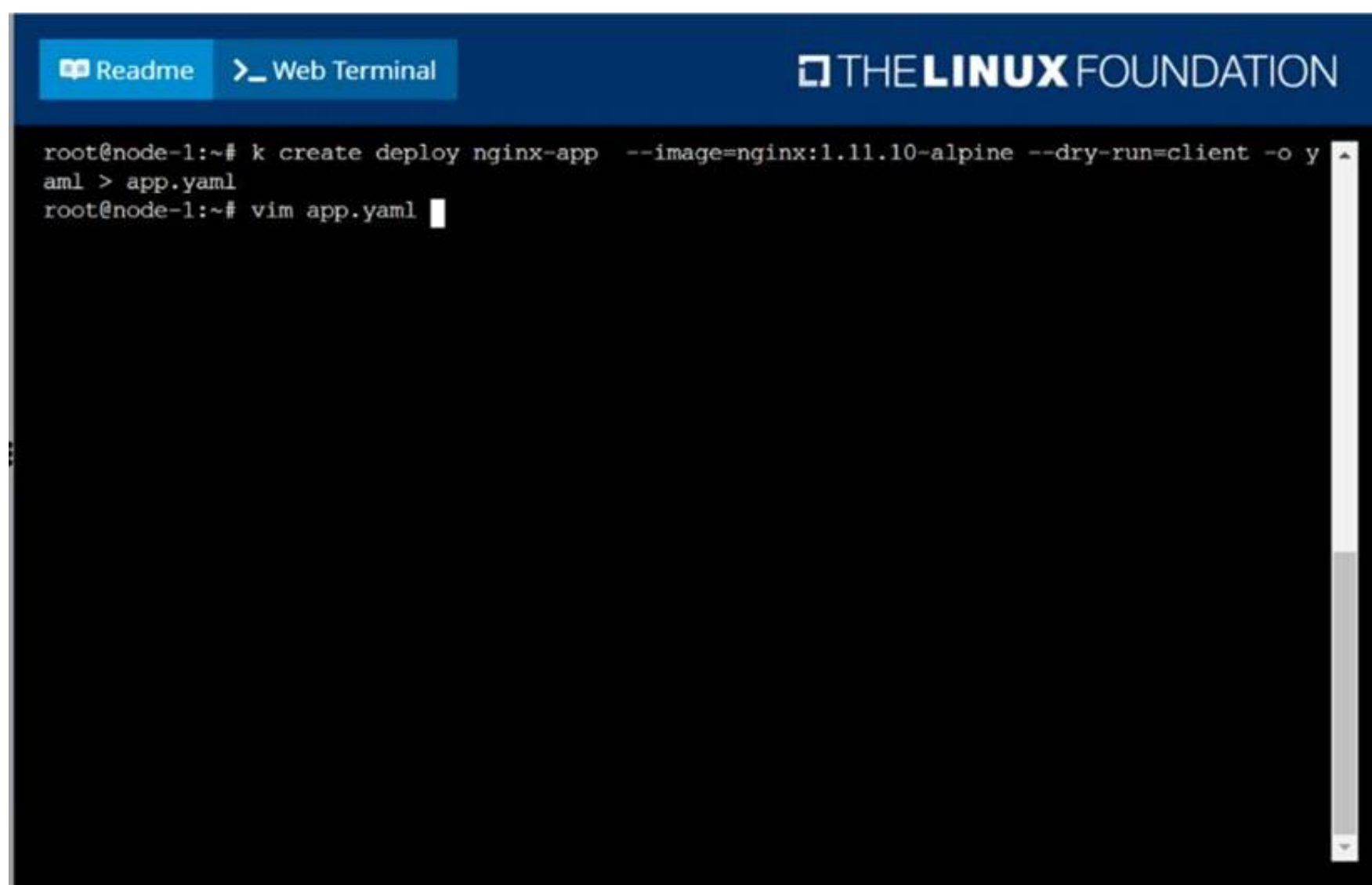
Finally, rollback that update to the previous version 1.11.10-alpine.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

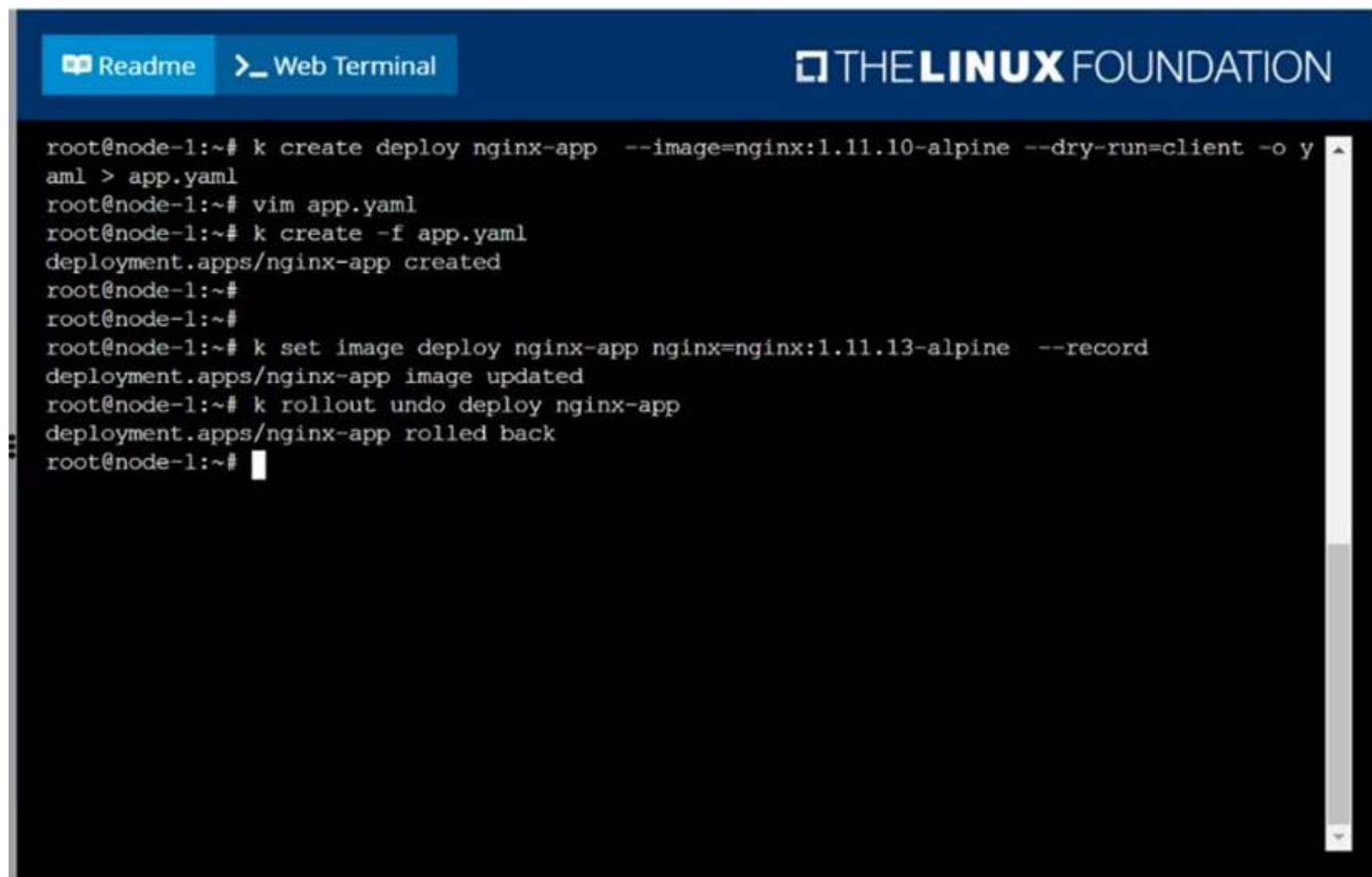


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```

root@node-1:~# k create deploy nginx-app --image=nginx:1.11.10-alpine --dry-run=client -o y
aml > app.yaml
root@node-1:~# vim app.yaml
root@node-1:~# k create -f app.yaml
deployment.apps/nginx-app created
root@node-1:~#
root@node-1:~#
root@node-1:~# k set image deploy nginx-app nginx=nginx:1.11.13-alpine --record
deployment.apps/nginx-app image updated
root@node-1:~# k rollout undo deploy nginx-app
deployment.apps/nginx-app rolled back
root@node-1:~#

```

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#### NEW QUESTION 39

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.

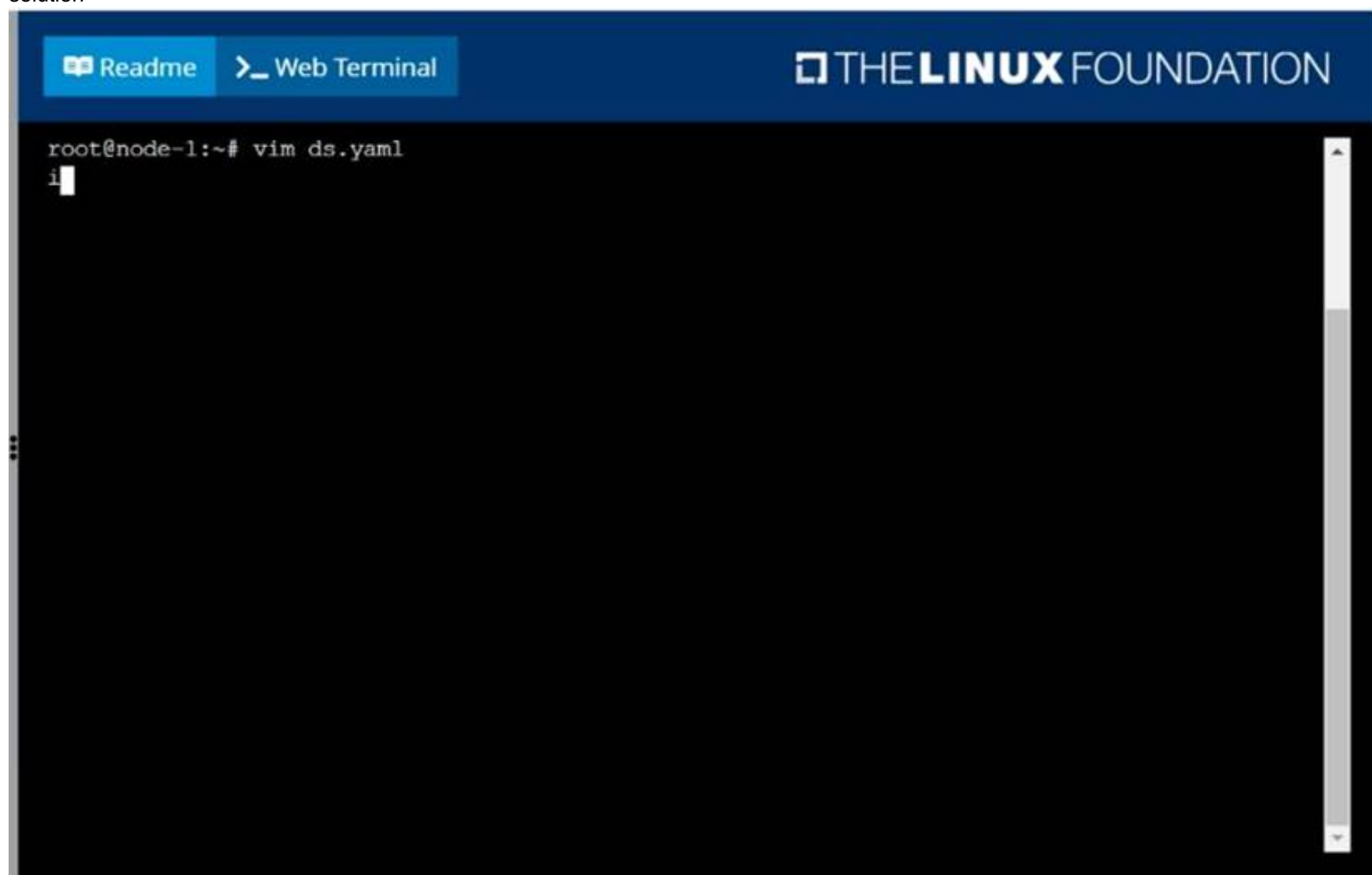
Use DaemonSet to complete this task and use ds-kusc00201 as DaemonSet name.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution




```

root@node-1:~# vim ds.yaml
i

```

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```

apiVersion: apps/v1
kind: DaemonSet
metadata:
  name: fluentd-elasticsearch
  namespace: kube-system
  labels:
    k8s-app: fluentd-logging
spec:
  selector:
    matchLabels:
      name: fluentd-elasticsearch
  template:
    metadata:
      labels:
        name: fluentd-elasticsearch
    spec:
      tolerations:
        # this toleration is to have the daemonset runnable on master nodes
        # remove it if your masters can't run pods
        - key: node-role.kubernetes.io/master
          effect: NoSchedule
      containers:
        - name: nginx
          image: nginx
-- INSERT --
17,19
All

```

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Web Terminal



```

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
~
~
~
~
~
~
~
~
~
:wq

```

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THE **LINUX** FOUNDATION

```
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:~#
```

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**NEW QUESTION 43**

CORRECT TEXT

Create a pod as follows:

? Name: non-persistent-redis

? container Image: redis

? Volume with name: cache-control

? Mount path: /data/redis

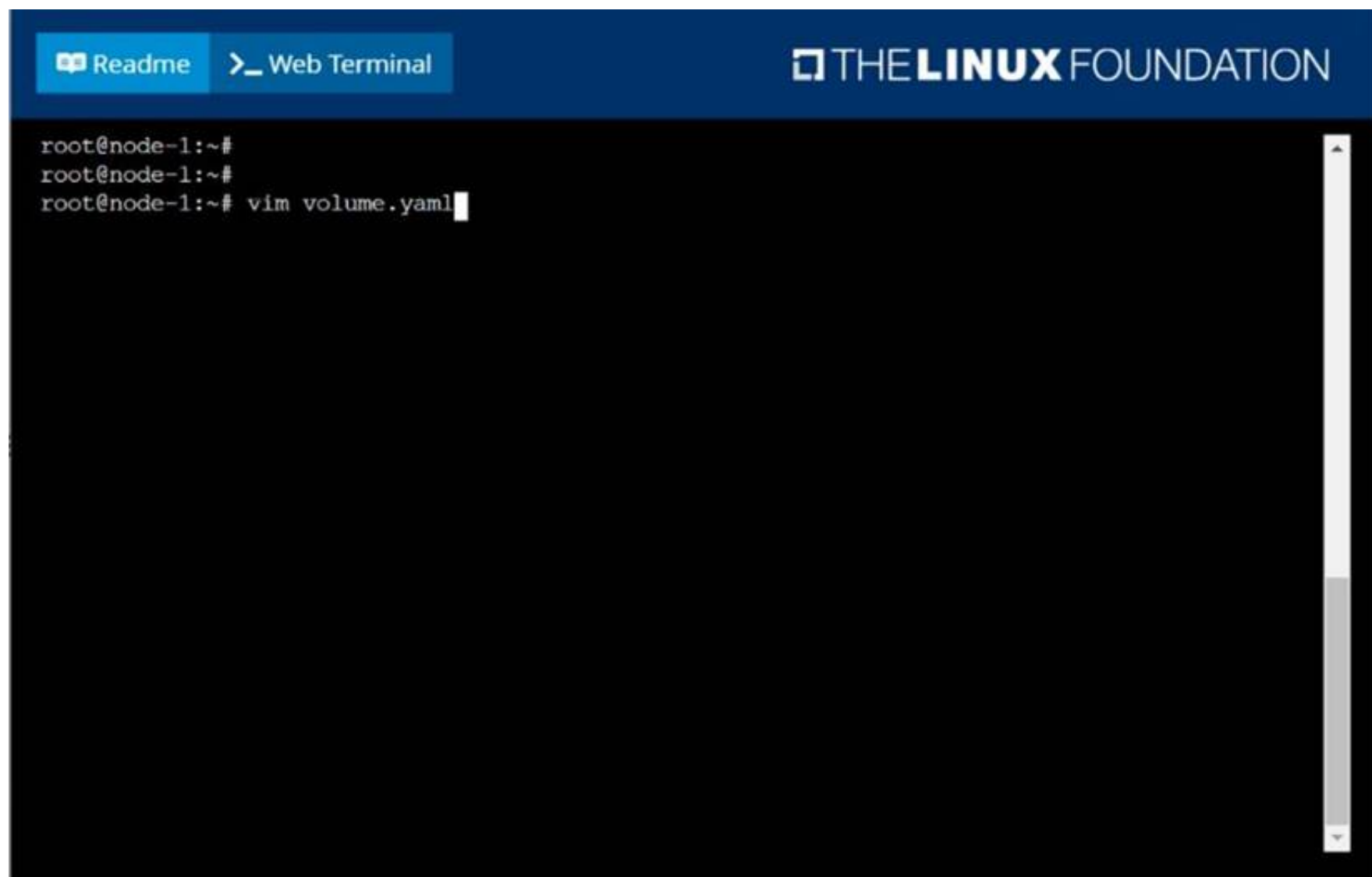
The pod should launch in the staging namespace and the volume must not be persistent.

- A. Mastered
- B. Not Mastered

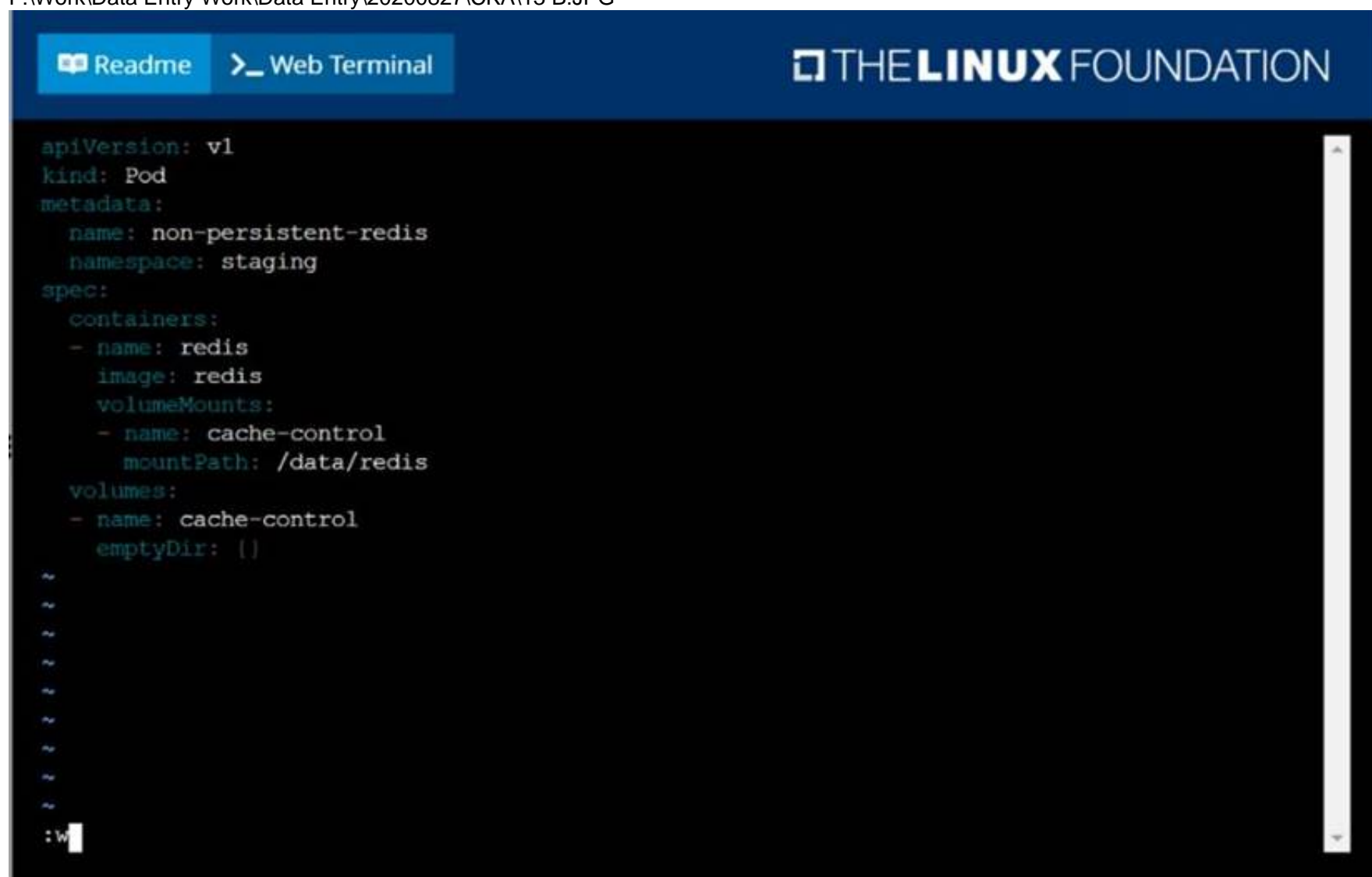
**Answer:** A

**Explanation:**

solution

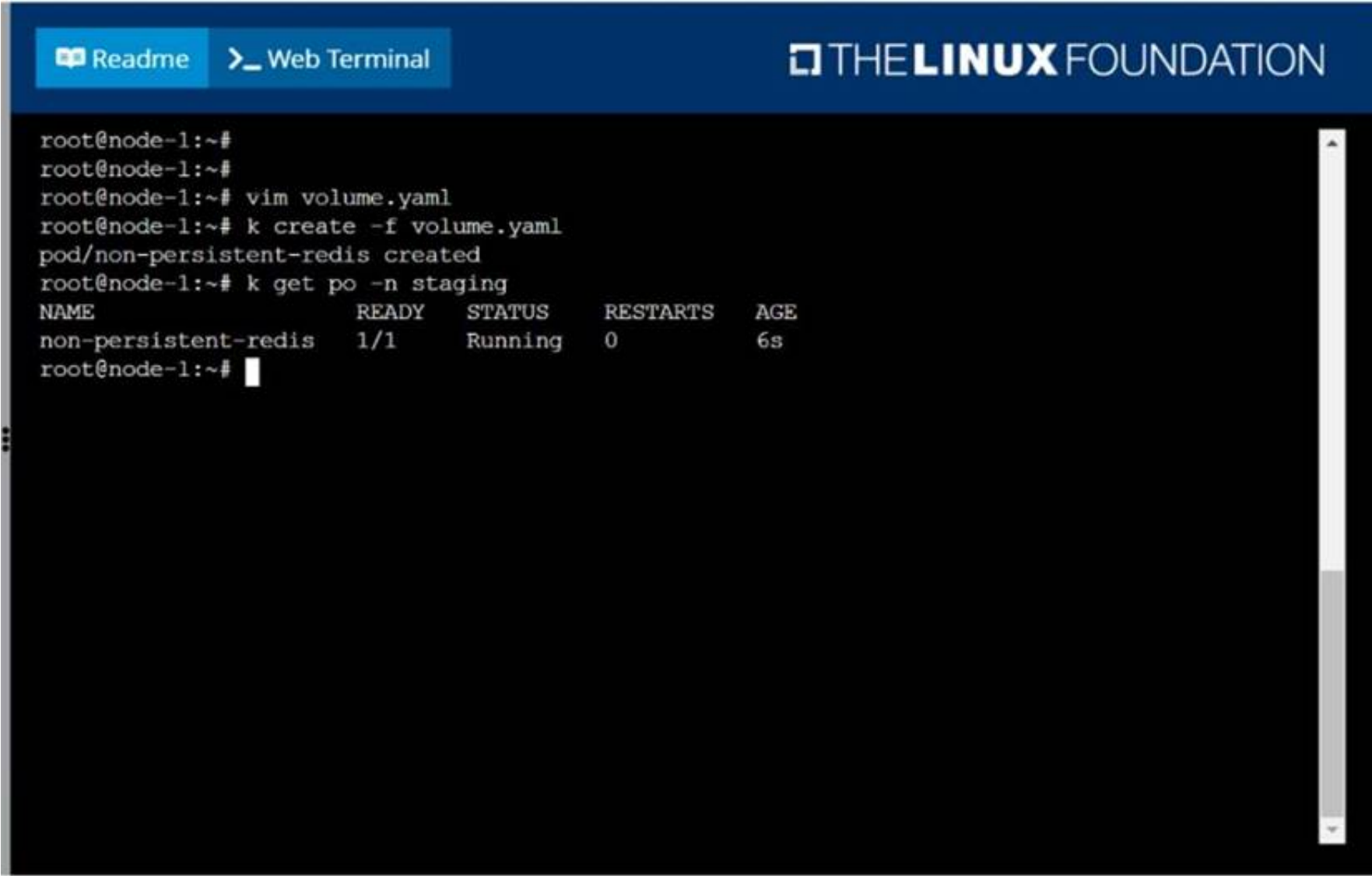


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**NEW QUESTION 44**  
CORRECT TEXT  
Task Weight: 4%

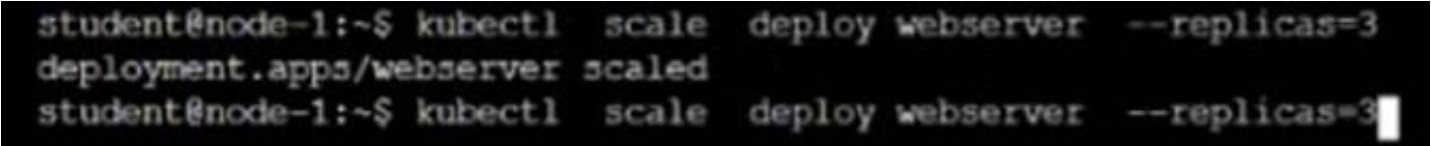


Task  
Scale the deployment webserver to 3 pods.

A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**  
Solution:



**NEW QUESTION 45**  
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 46

CORRECT TEXT

Perform the following tasks:

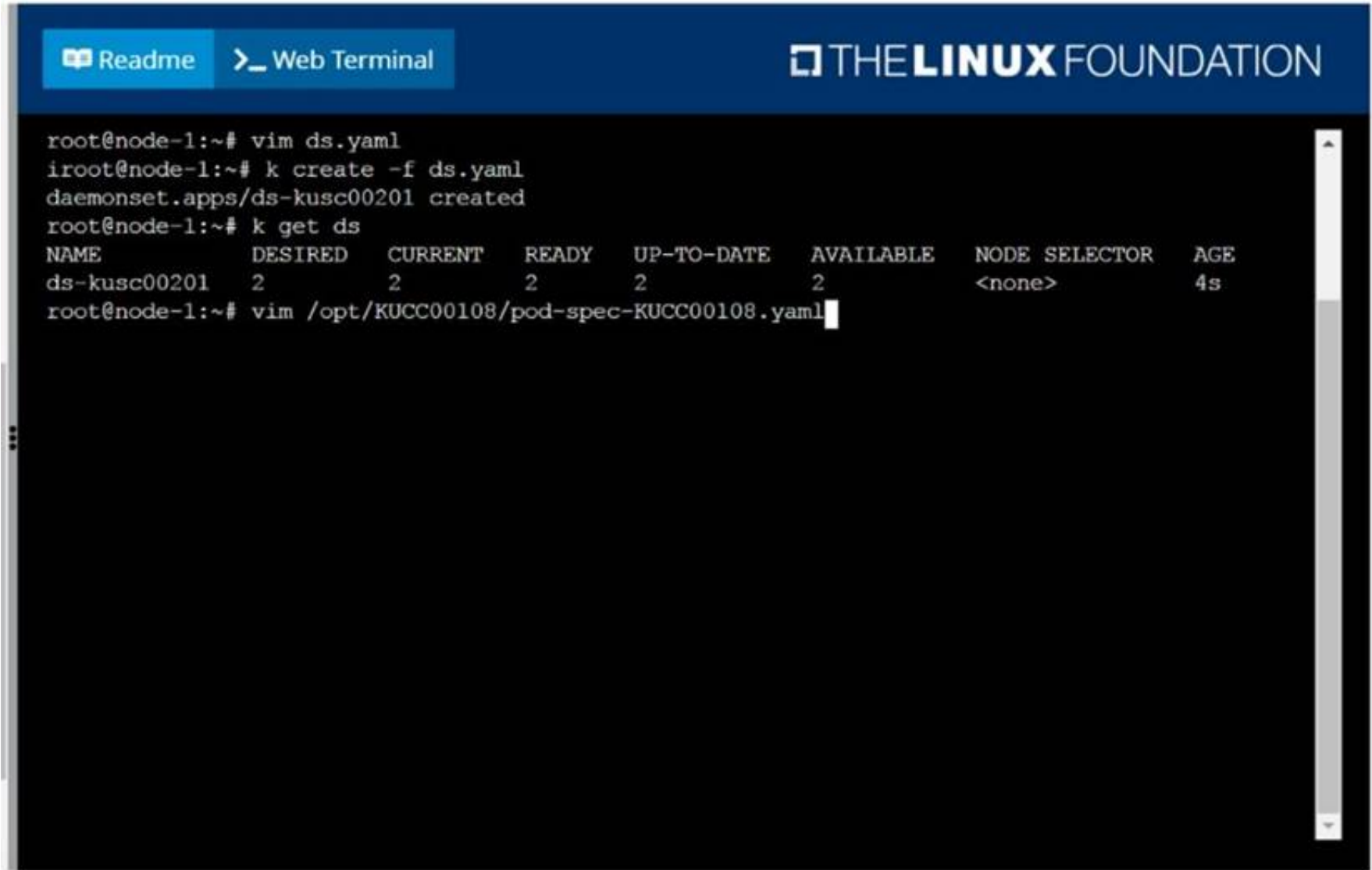
- ? Add an init container to hungry-bear (which has been defined in spec file /opt/KUCC00108/pod-spec-KUCC00108.yaml)
- ? The init container should create an empty file named/workdir/calm.txt
- ? If /workdir/calm.txt is not detected, the pod should exit
- ? Once the spec file has been updated with the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

A.

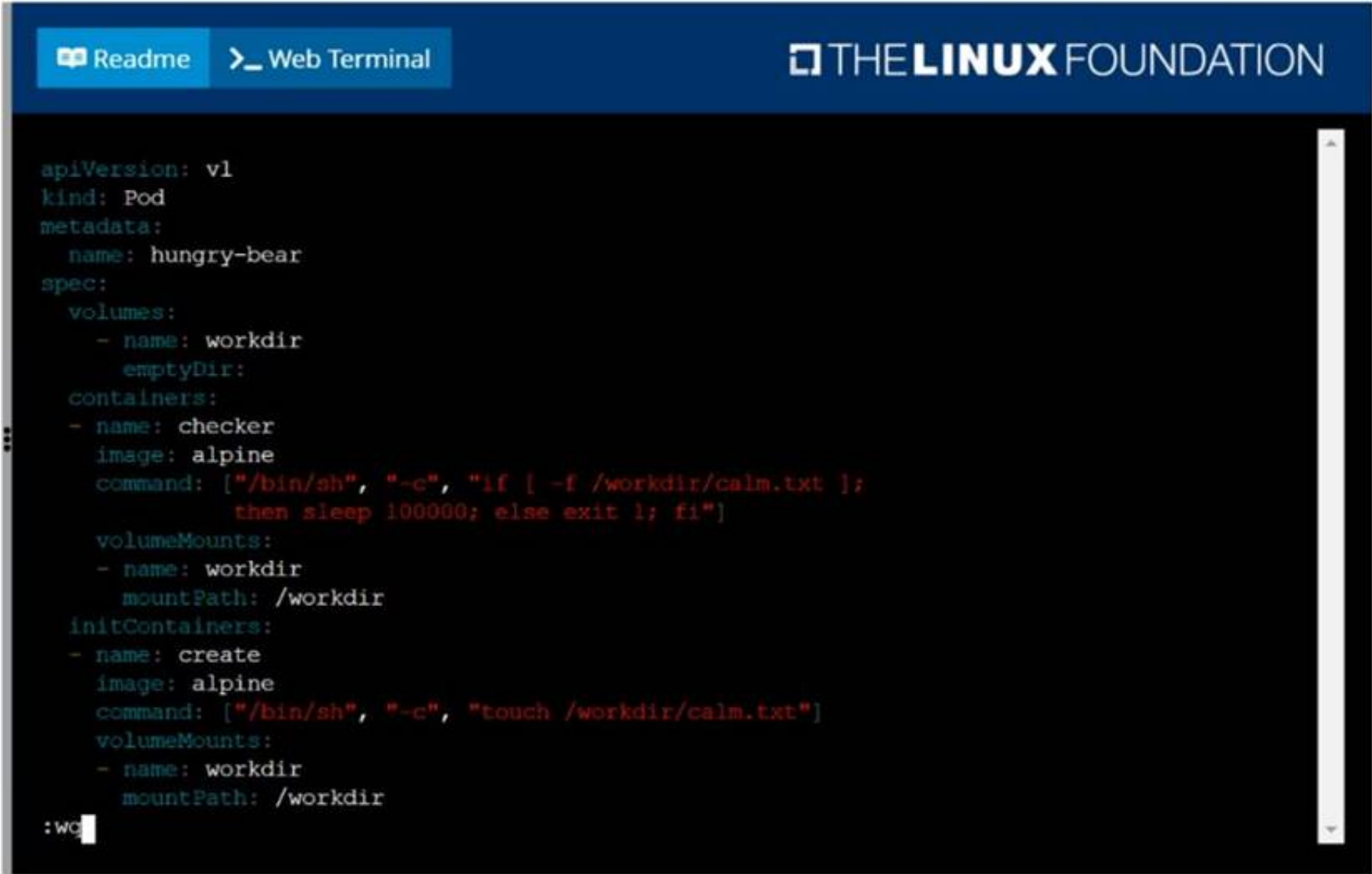
Answer: Seethesolutionbelow.

Explanation:

solution



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Readme

Web Terminal

THE LINUX FOUNDATION

```
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 47

##### 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:

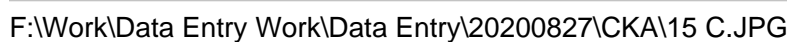
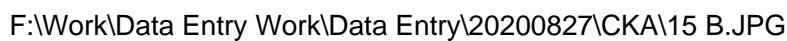
```
[student@wk8s-node-1] $ | sudo -i
```

- A. Mastered
- B. Not Mastered

**Answer:** A

##### Explanation:

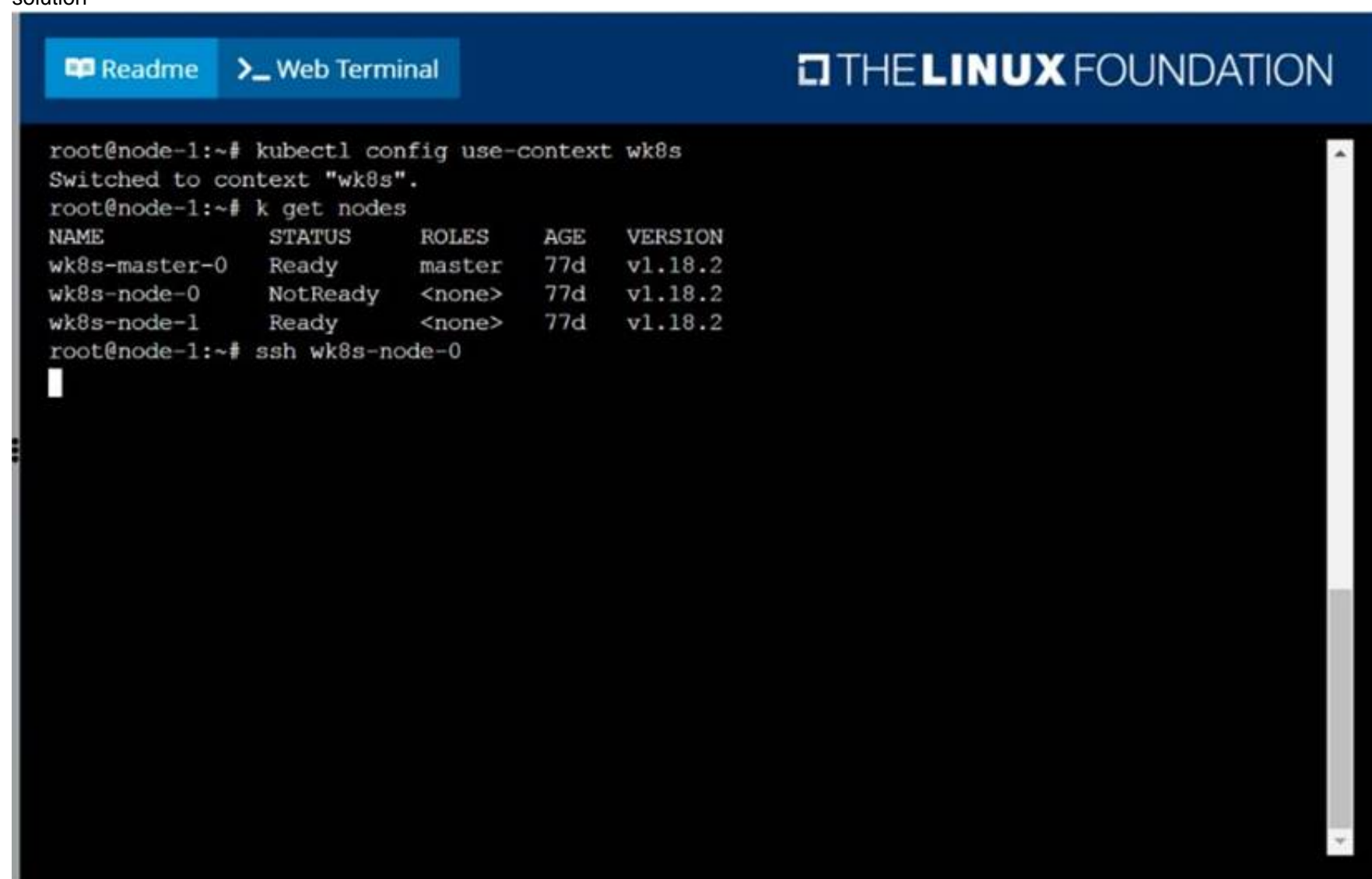
solution



visit - <https://www.surepassexam.com>

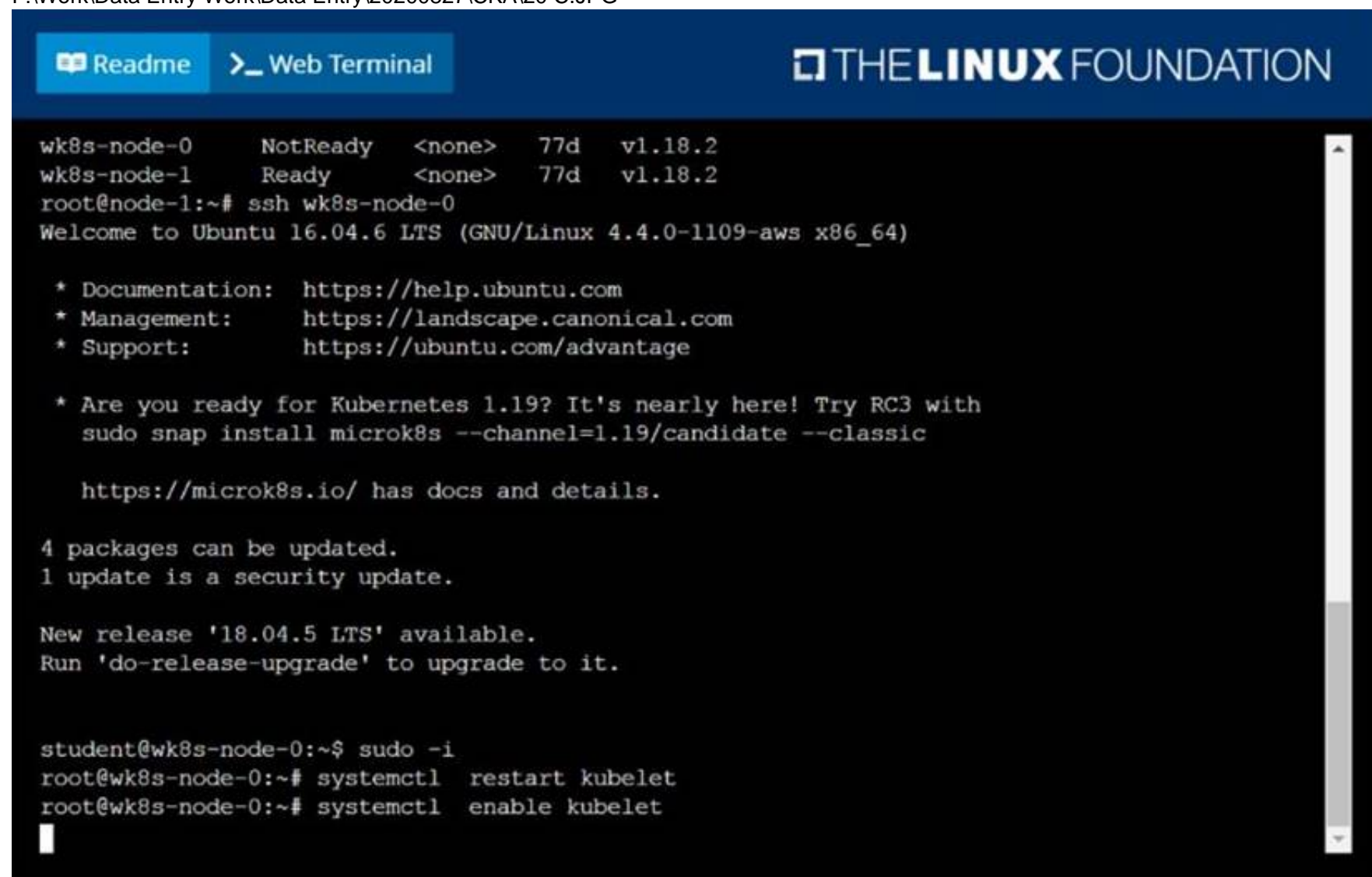


Explanation:  
solution



```
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
█
```

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```
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
█
```

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ReadmeWeb 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/sy
temd/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:~#
```

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NEW QUESTION 56

CORRECT TEXT

List all persistent volumes sorted by capacity, saving the full kubectl output to /opt/KUCC00102/volume\_list. Use kubectl 's own functionality for sorting the output, and do not manipulate it any further.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
solution

ReadmeWeb Terminal

THE LINUX FOUNDATION

```
77d
pv0007 7Gi      RWO      Recycle   Available   slow
77d
pv0006 8Gi      RWO      Recycle   Available   slow
77d
pv0003 10Gi     RWO      Recycle   Available   slow
77d
pv0002 11Gi     RWO      Recycle   Available   slow
77d
pv0010 13Gi     RWO      Recycle   Available   slow
77d
pv0011 14Gi     RWO      Recycle   Available   slow
77d
pv0001 16Gi     RWO      Recycle   Available   slow
77d
pv0009 17Gi     RWO      Recycle   Available   slow
77d
pv0005 18Gi     RWO      Recycle   Available   slow
77d
pv0008 19Gi     RWO      Recycle   Available   slow
77d
pv0000 21Gi     RWO      Recycle   Available   slow
77d
root@node-1:~# k get pv --sort-by=.spec.capacity.storage > /opt/KUCC00102/volume_list
root@node-1:~#
```

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```
njerry191@cloudshell:~ (extreme-clone-265411)$ kubectl get pv
```

NAME	CAPACITY	ACCESS MODES	RECLAIM POLICY	STATUS	CLAIM	STORAGECLASS	REASON	AGE
pv	512m	RWX	Retain	Bound	default/pv	shared	16m	

Image for post

Our status has now changed from available to bound.

\* 5. Create a new pod named myapp with image nginx that will be used to Mount the Persistent Volume Claim with the path /var/app/config.

Mounting a Claim

apiVersion: v1kind: Podmetadata: creationTimestamp: null name: app-dataspec: volumes: - name:congigpvc persistenVolumeClaim: claimName: app-data

containers: - image: nginx name: app volumeMounts: - mountPath: "/srv/app-data " name: configpvc

#### NEW QUESTION 66

CORRECT TEXT

Create a busybox pod and add “sleep 3600” command

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

kubectl run busybox --image=busybox --restart=Never -- /bin/sh -c

"sleep 3600"

#### NEW QUESTION 70

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 71

CORRECT TEXT

List all the pods sorted by created timestamp

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

kubect1 get pods--sort-by=.metadata.creationTimestamp

#### NEW QUESTION 76

CORRECT TEXT

Score: 4%



Task

Set the node named ek8s-node-1 as unavailable and reschedule all the pods running on it.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

SOLUTION:



```
[student@node-1] > ssh ek8s
kubectl cordon ek8s-node-1
kubectl drain ek8s-node-1 --delete-local-data --ignore-daemonsets --force
```

#### NEW QUESTION 79

.....

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