

## CKA Dumps

### Certified Kubernetes Administrator (CKA) Program

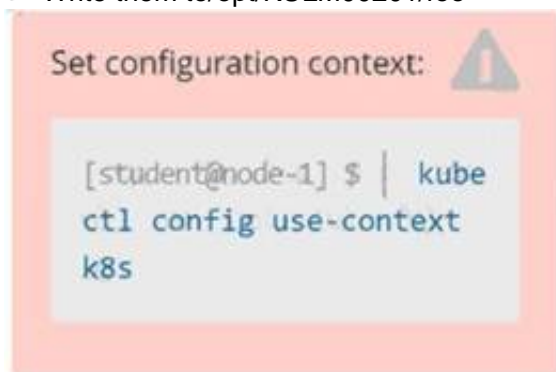
<https://www.certleader.com/CKA-dumps.html>



### NEW QUESTION 1

Monitor the logs of pod foo and:

- > Extract log lines corresponding to error unable-to-access-website
- > Write them to /opt/KULM00201/foo



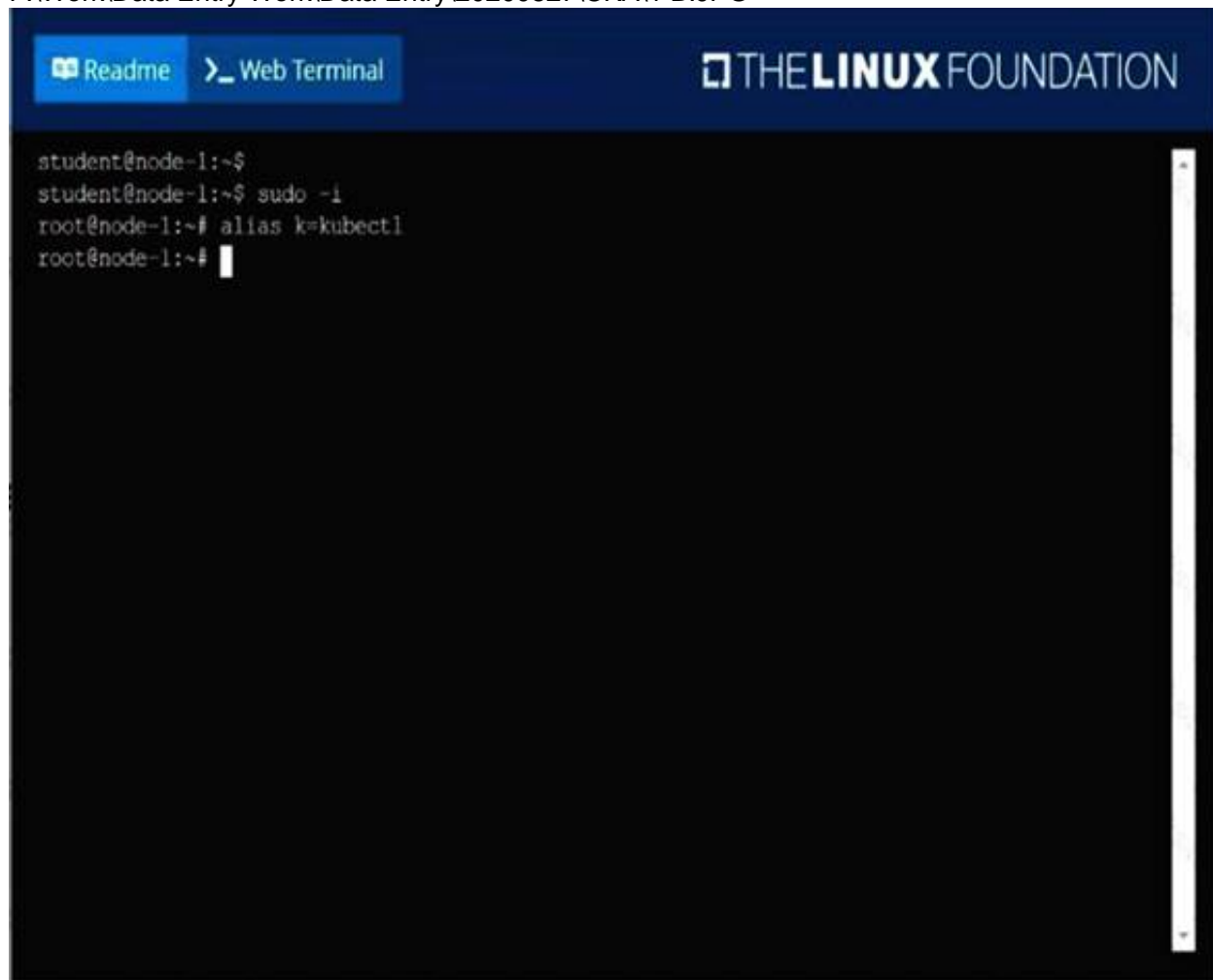
- A. Mastered
- B. Not Mastered

**Answer:** A

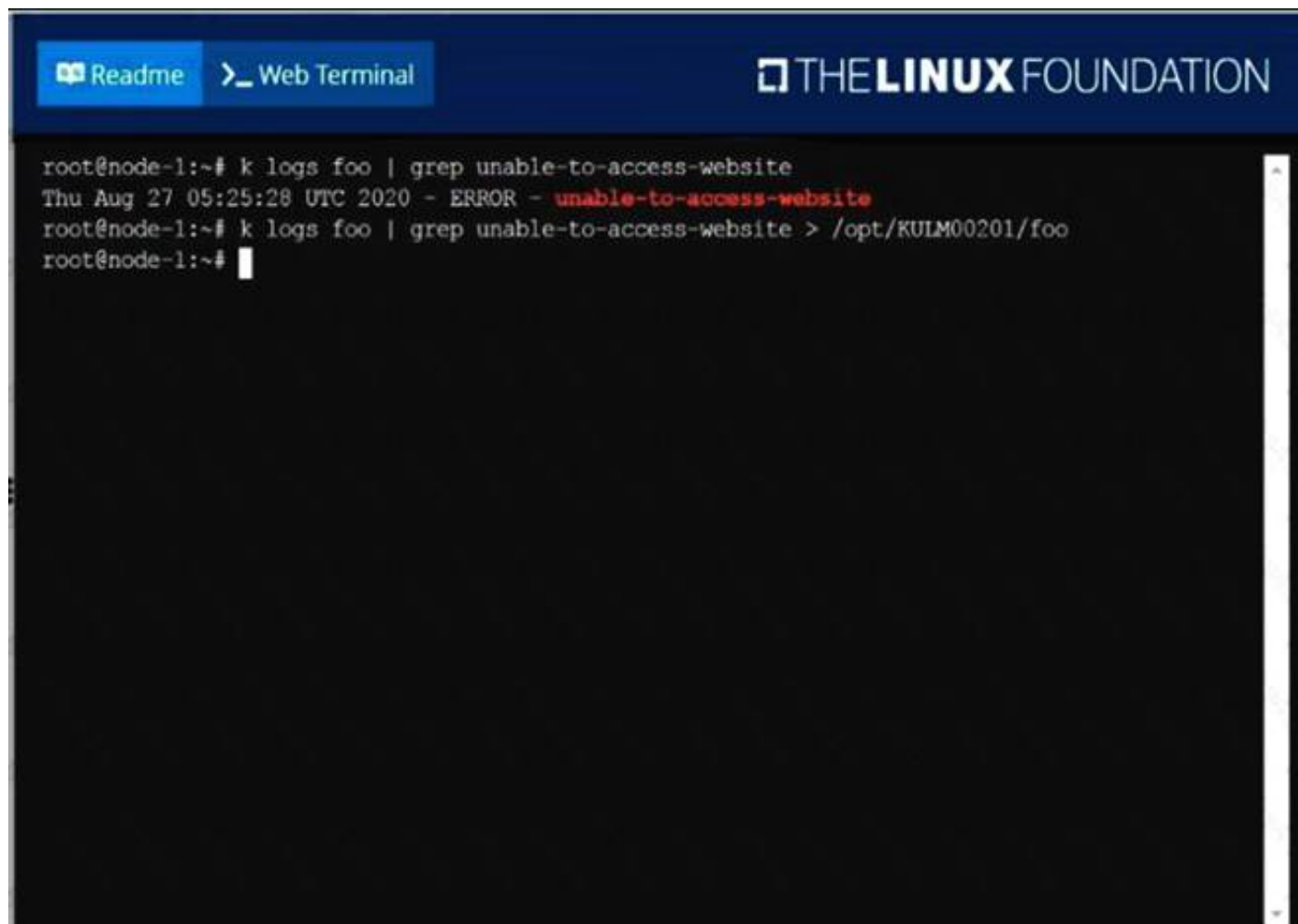
**Explanation:**

solution

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```
root@node-1:~# k logs foo | grep unable-to-access-website
Thu Aug 27 05:25:28 UTC 2020 - ERROR - unable-to-access-website
root@node-1:~# k logs foo | grep unable-to-access-website > /opt/KULM00201/foo
root@node-1:~#
```

#### NEW QUESTION 2

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
kubect1 get pods -o wide
kubectl delete po nginx-dev
kubectl delete po nginx-prod
```

#### NEW QUESTION 3

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### 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 -nengineering -f ?C
YAML File: apiVersion: v1 kind: Pod metadata: name: nginx
namespace: engineering labels:
env: test spec: containers:
- name: nginx image: nginx
imagePullPolicy: IfNotPresent restartPolicy: Never
kubectl create -f nginx-pod.yaml
```

#### NEW QUESTION 4

List pod logs named `frontend` and search for the pattern `started` and write it to a file `/opt/error-logs`

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
Kubectl logs frontend | grep -i started > /opt/error-logs
```

#### NEW QUESTION 5

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 6**

Create and configure the servicefront-end-serviceso it's accessiblethroughNodePortand routes to theexisting pod namedfront-end.

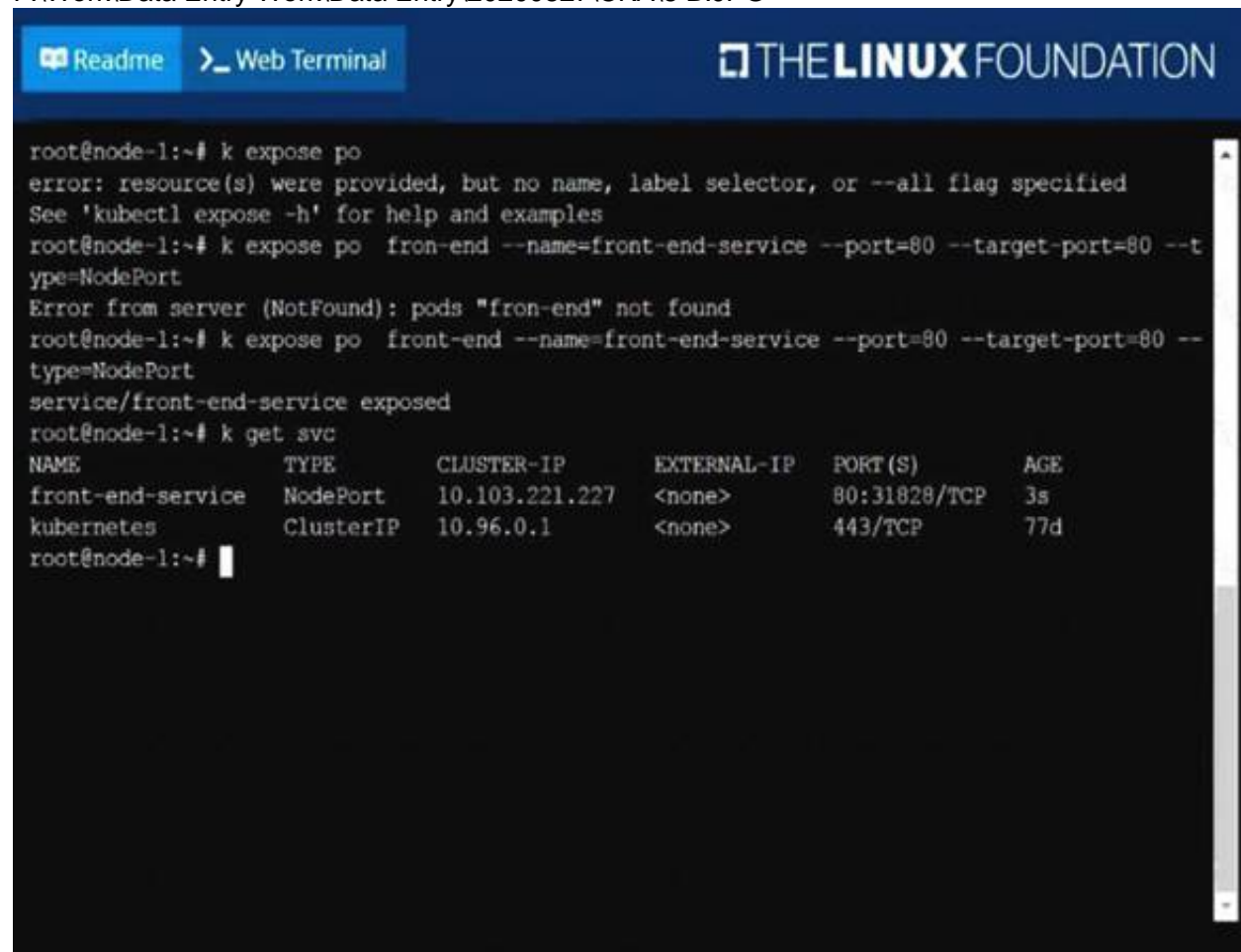
- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

solution

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The screenshot shows a terminal window with the following content:

```
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:~#
```

**NEW QUESTION 7**

Create a snapshot of theetcdinstance running athttps://127.0.0.1:2379, saving thesnapshot to the file path /srv/data/etcd-snapshot.db.

The following TLScertificates/key are suppliedfor connecting to the server withetcdctl:

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

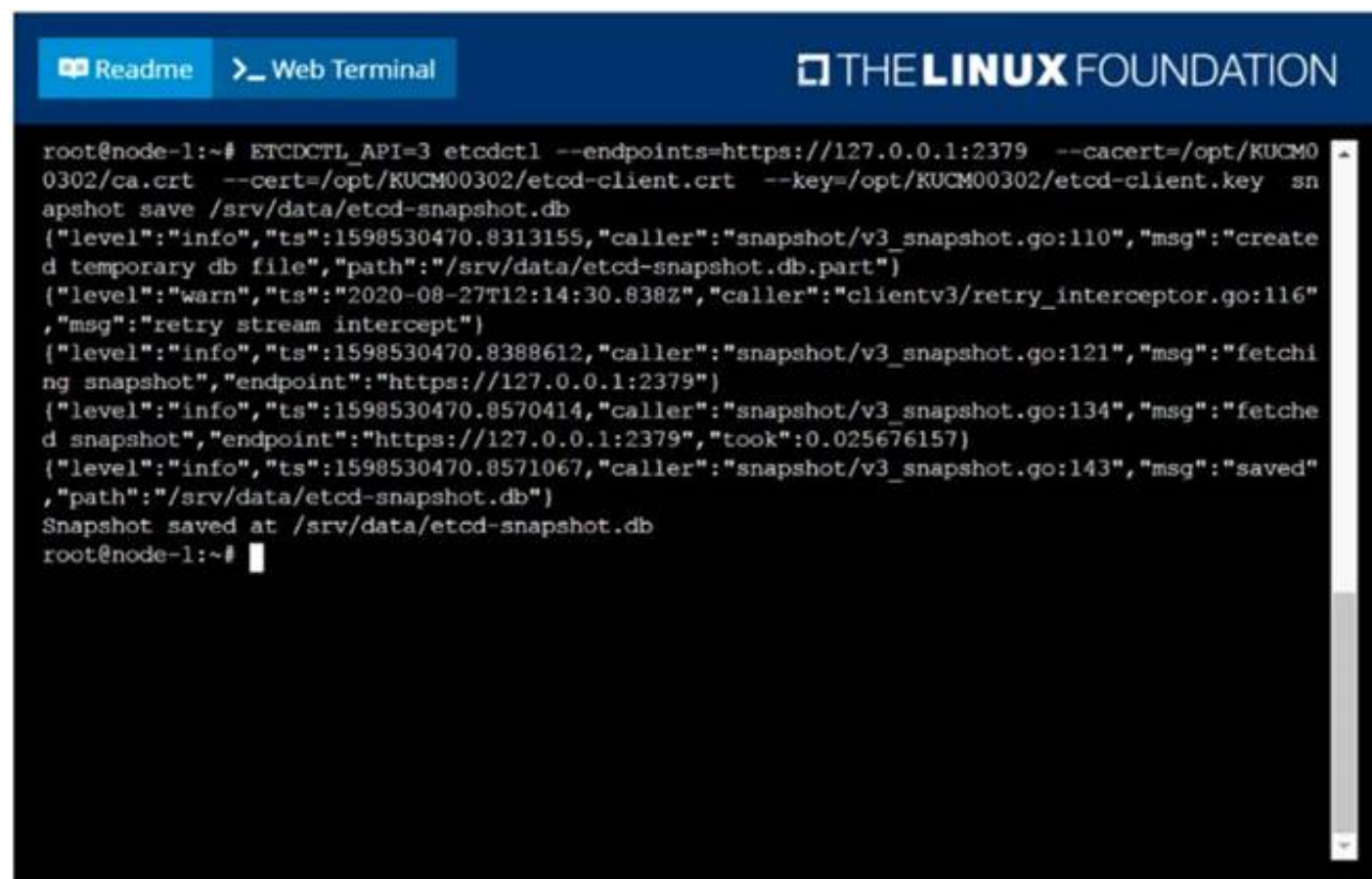
- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

solution

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```
root@node-1:~# ETCDCTL_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":"create d 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:~#
```

**NEW QUESTION 8**

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 9**

Schedule a pod as follows:

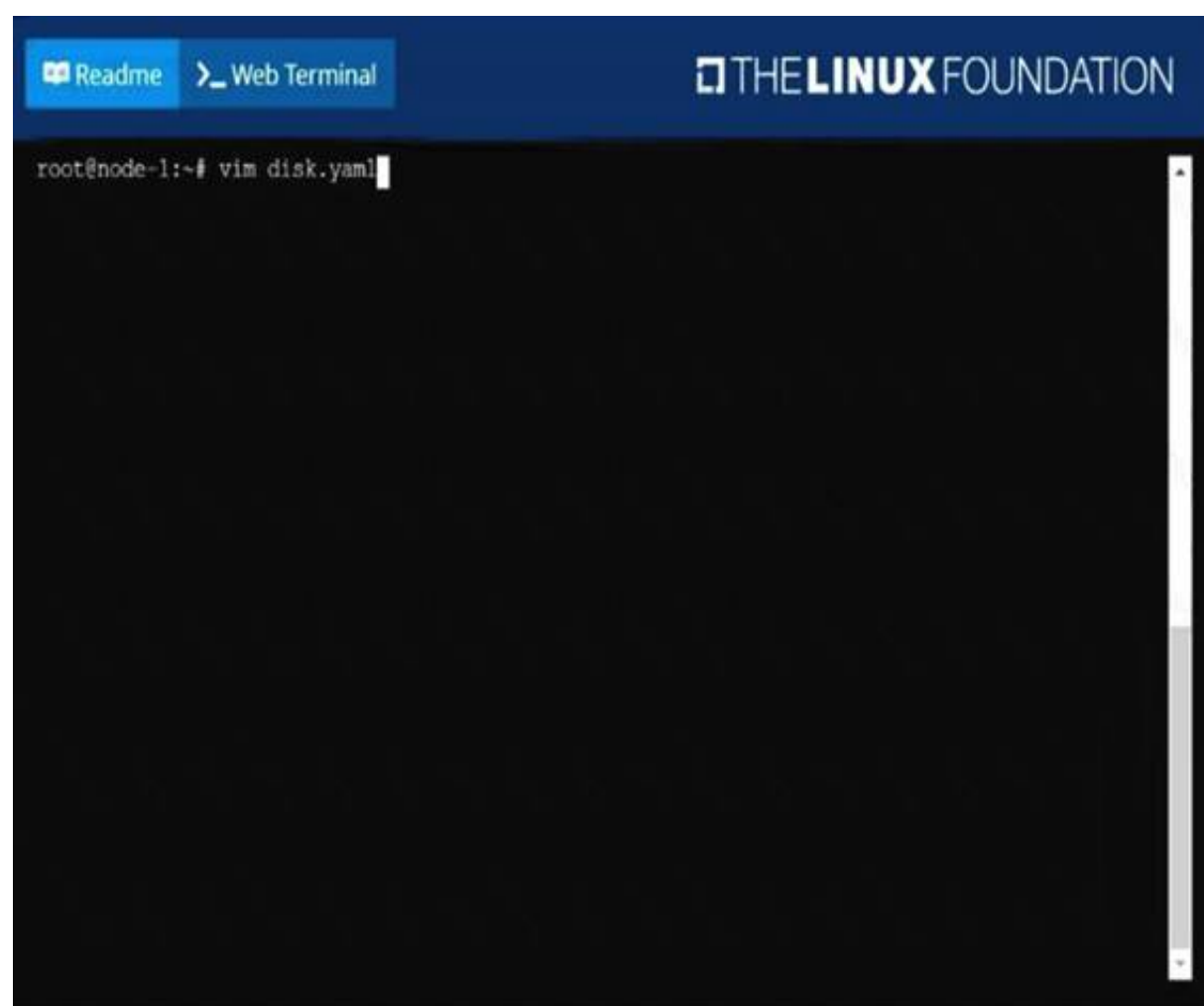
- > Name: nginx-kusc00101
- > Image: nginx
- > Node selector: disk=ssd

- A. Mastered
- B. Not Mastered

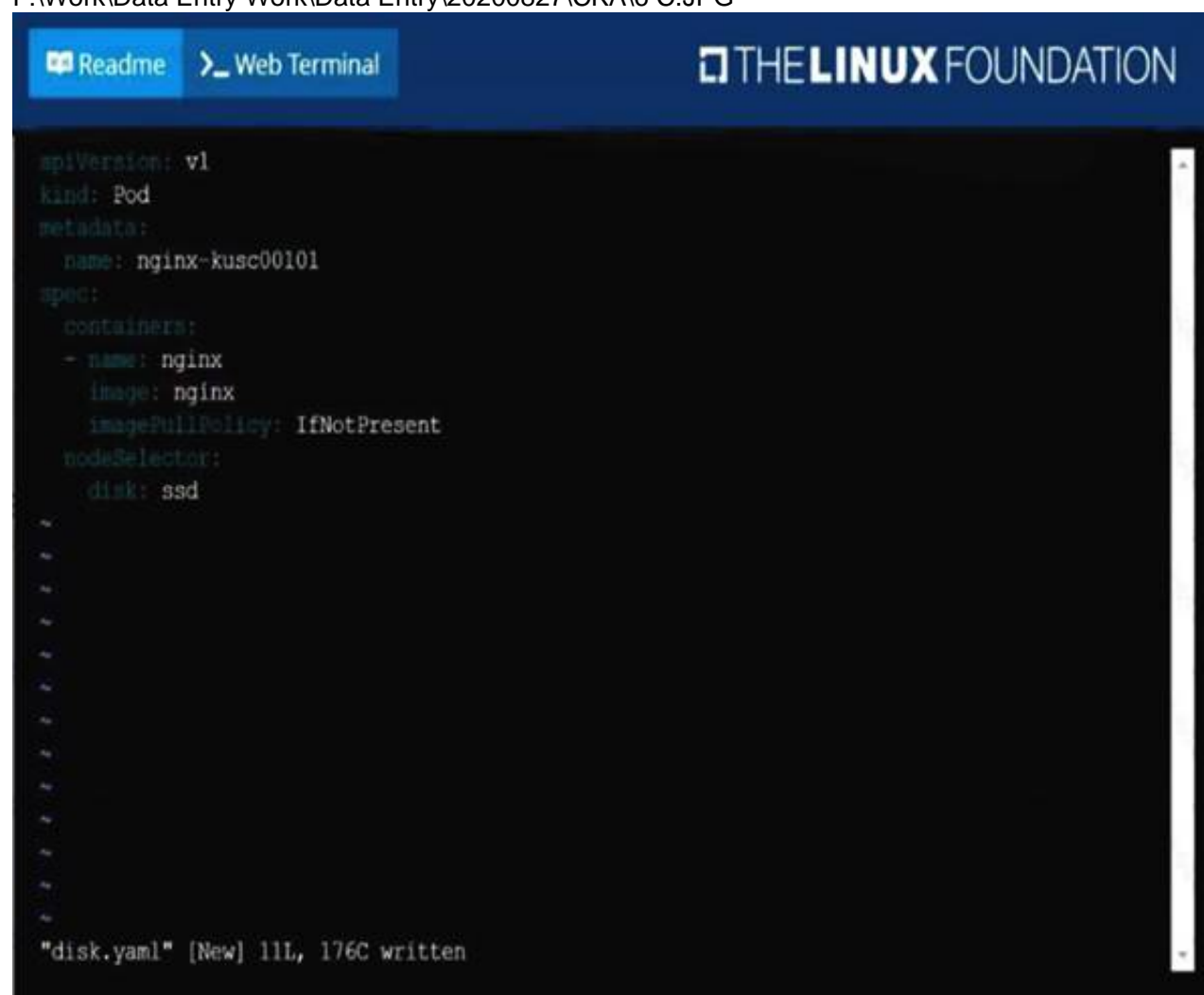
**Answer:** A

**Explanation:**

solution  
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ReadmeWeb Terminal

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```
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:~#
```

NEW QUESTION 10

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 10

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