

Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program

<https://www.2passeasy.com/dumps/CKA/>



NEW QUESTION 1

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 2

Create a deployment spec file that will:

- > Launch 7 replicas of the nginx image with the label app_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.

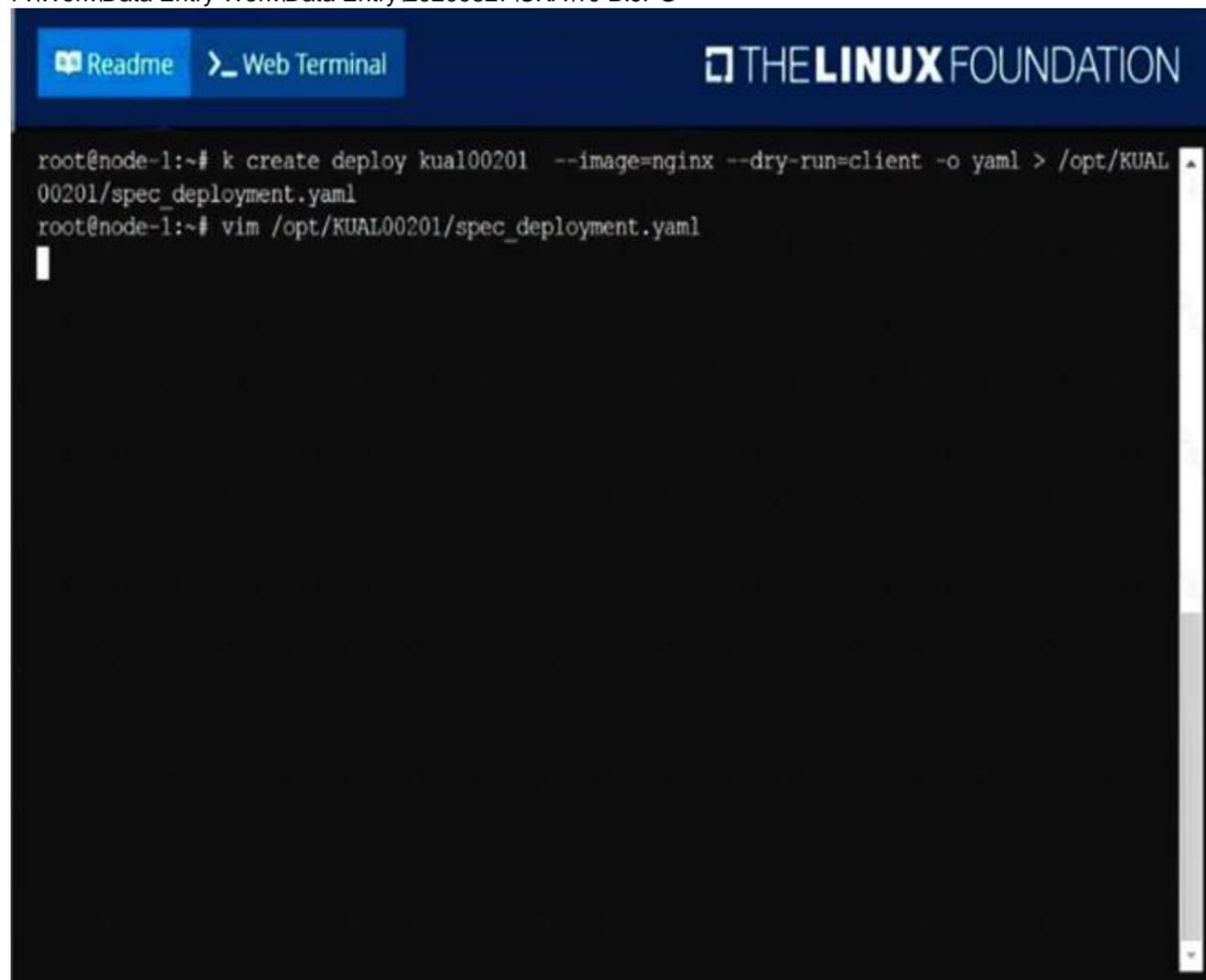
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

F:\Work\Data Entry Work\Data Entry\20200827\CKA\10 B.JPG

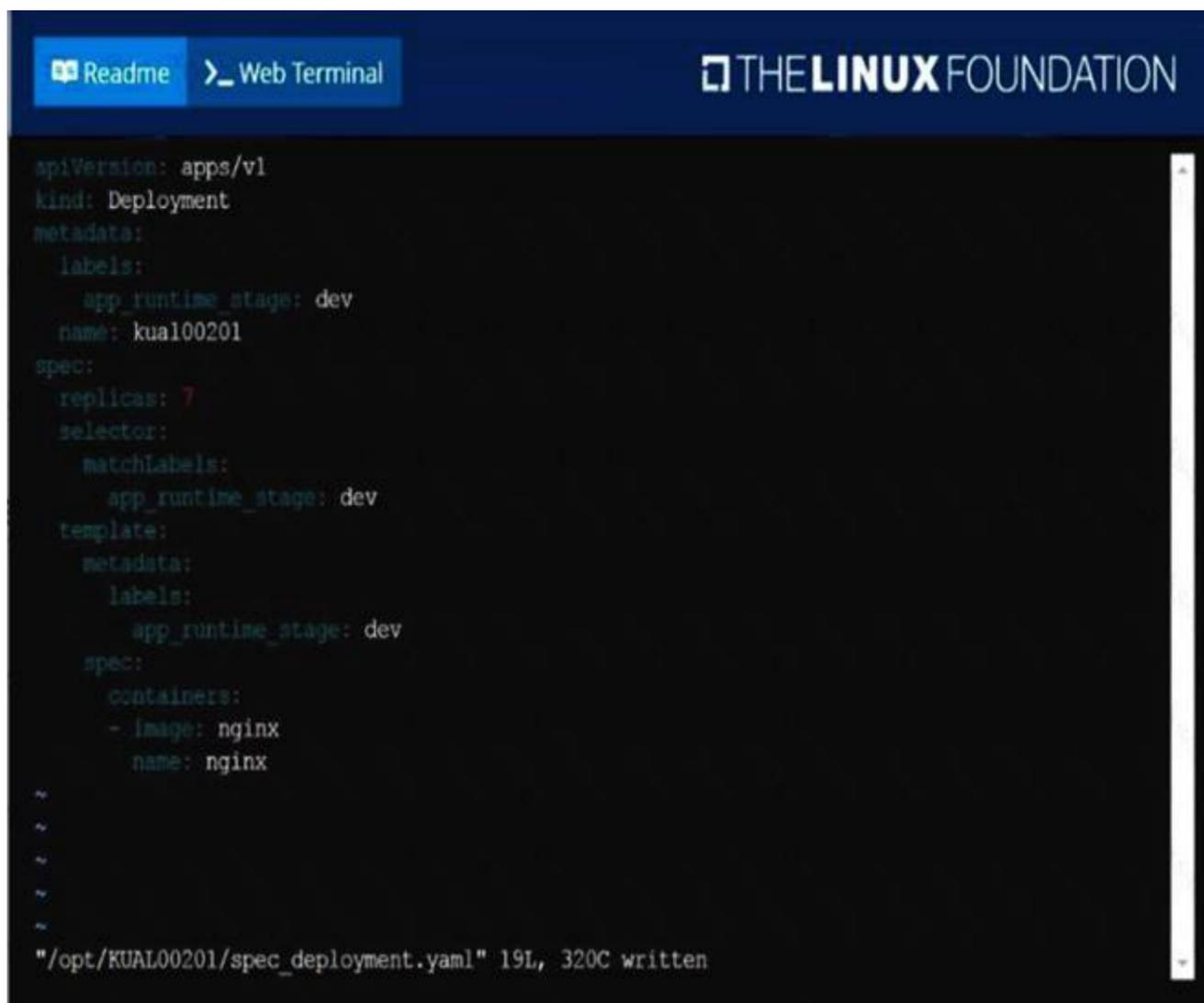


The screenshot shows a terminal window with a dark background. At the top, there are navigation buttons for 'Readme' and 'Web Terminal', and the logo for 'THE LINUX FOUNDATION'. The terminal output shows the following commands and their results:

```
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
```

The vim editor is open, showing a blank file with a cursor at the beginning of the first line.

F:\Work\Data Entry Work\Data Entry\20200827\CKA\10 C.JPG



```
apiVersion: apps/v1
kind: Deployment
metadata:
  labels:
    app_runtime_stage: dev
  name: kua100201
spec:
  replicas: 7
  selector:
    matchLabels:
      app_runtime_stage: dev
  template:
    metadata:
      labels:
        app_runtime_stage: dev
    spec:
      containers:
      - image: nginx
        name: nginx
~
~
~
~
~
"/opt/KUAL00201/spec_deployment.yaml" 19L, 320C written
```

NEW QUESTION 3

Create a pod as follows:

- > Name:mongo
- > Using Image:mongo
- > In anew Kubernetes namespacenamed:my-website

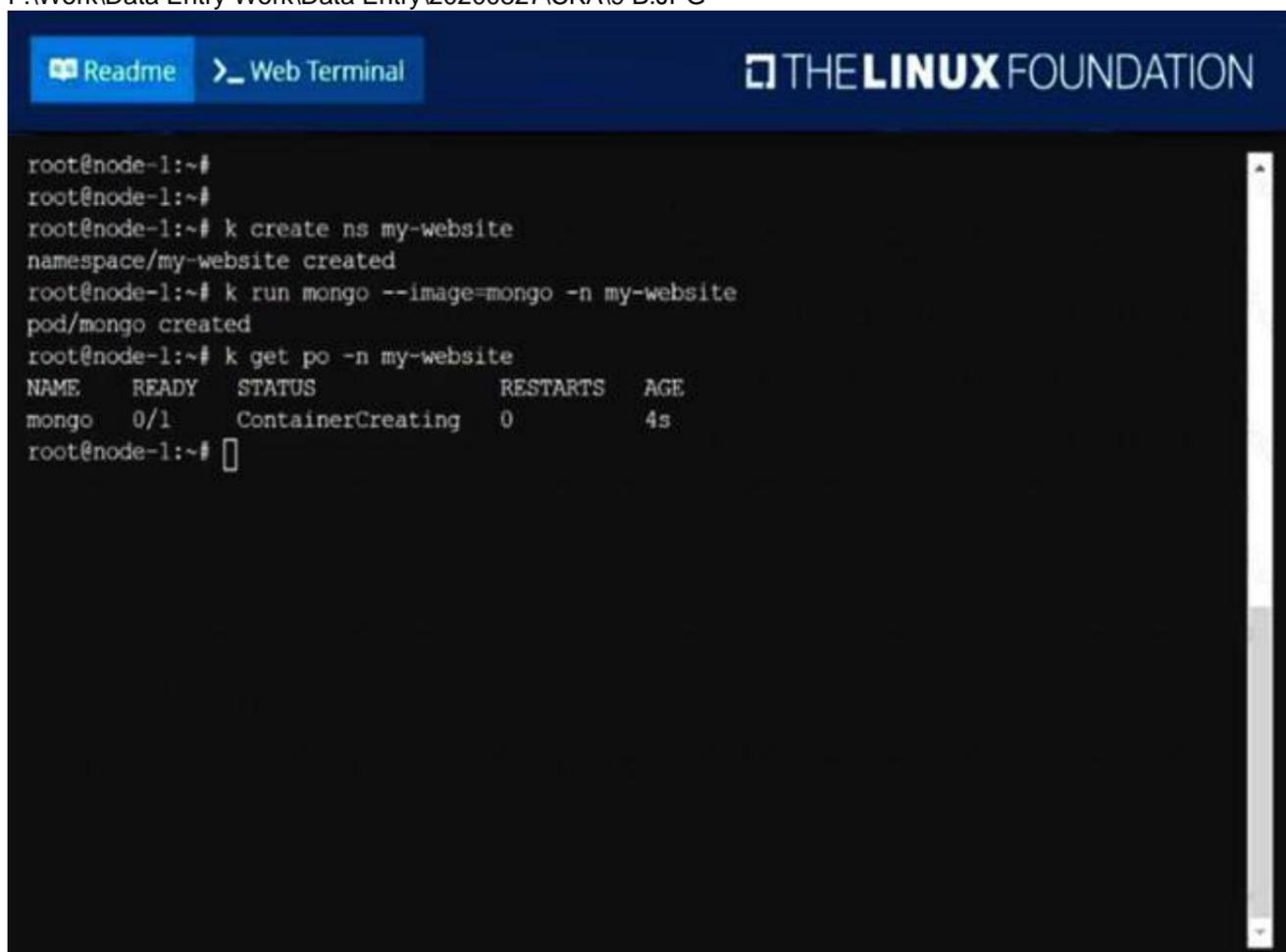
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

F:\Work\Data Entry Work\Data Entry\20200827\CKA\9 B.JPG



```
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:~#
```

NEW QUESTION 4

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

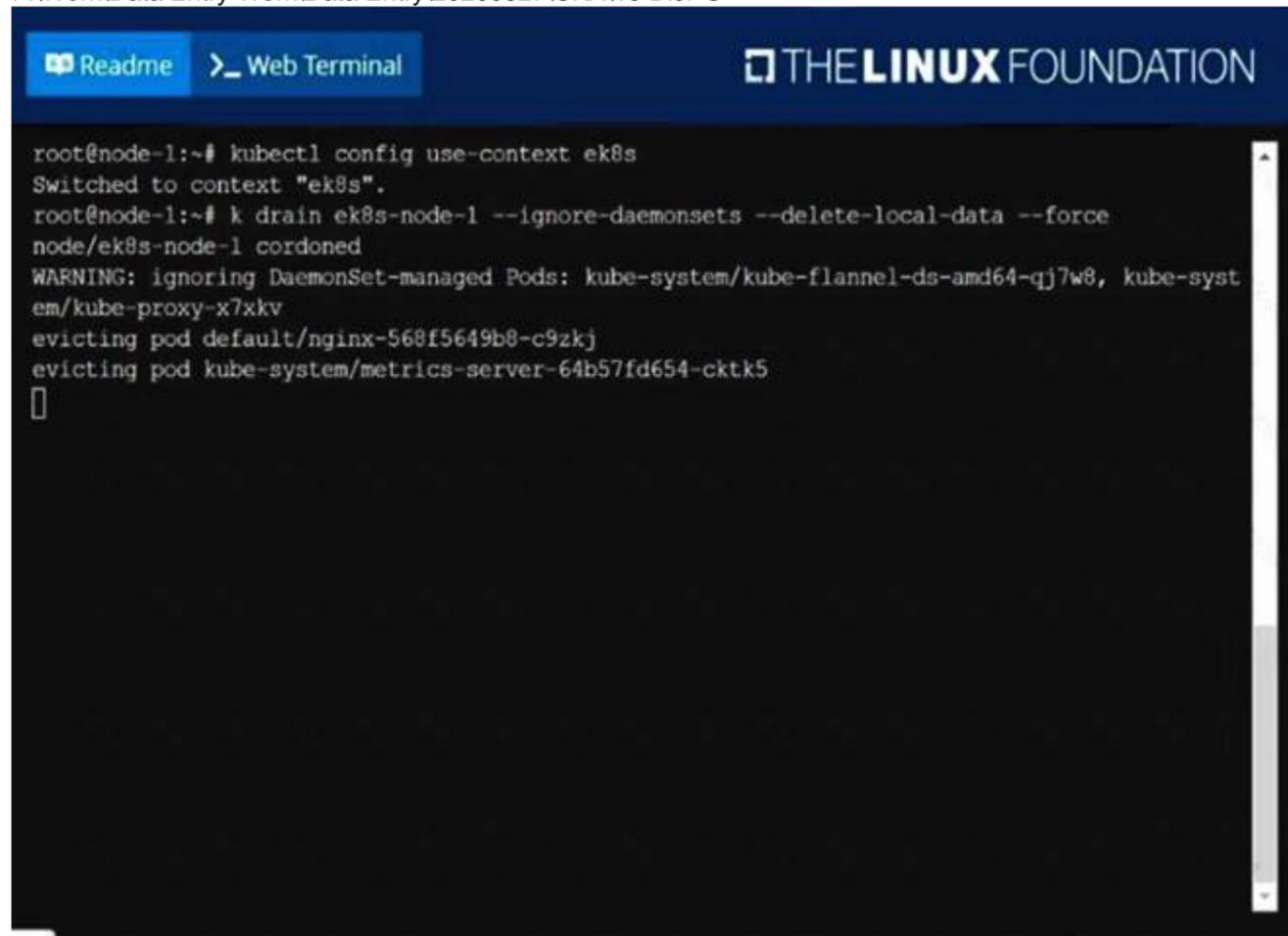
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

F:\Work\Data Entry Work\Data Entry\20200827\CKA\19 B.JPG



```
Readme Web Terminal THE LINUX FOUNDATION
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-syst
em/kube-proxy-x7xkv
evicting pod default/nginx-568f5649b8-c9zkj
evicting pod kube-system/metrics-server-64b57fd654-cktk5
[]
```

NEW QUESTION 5

List all the pods sorted by name

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

kubectl get pods --sort-by=.metadata.name

NEW QUESTION 6

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 7

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

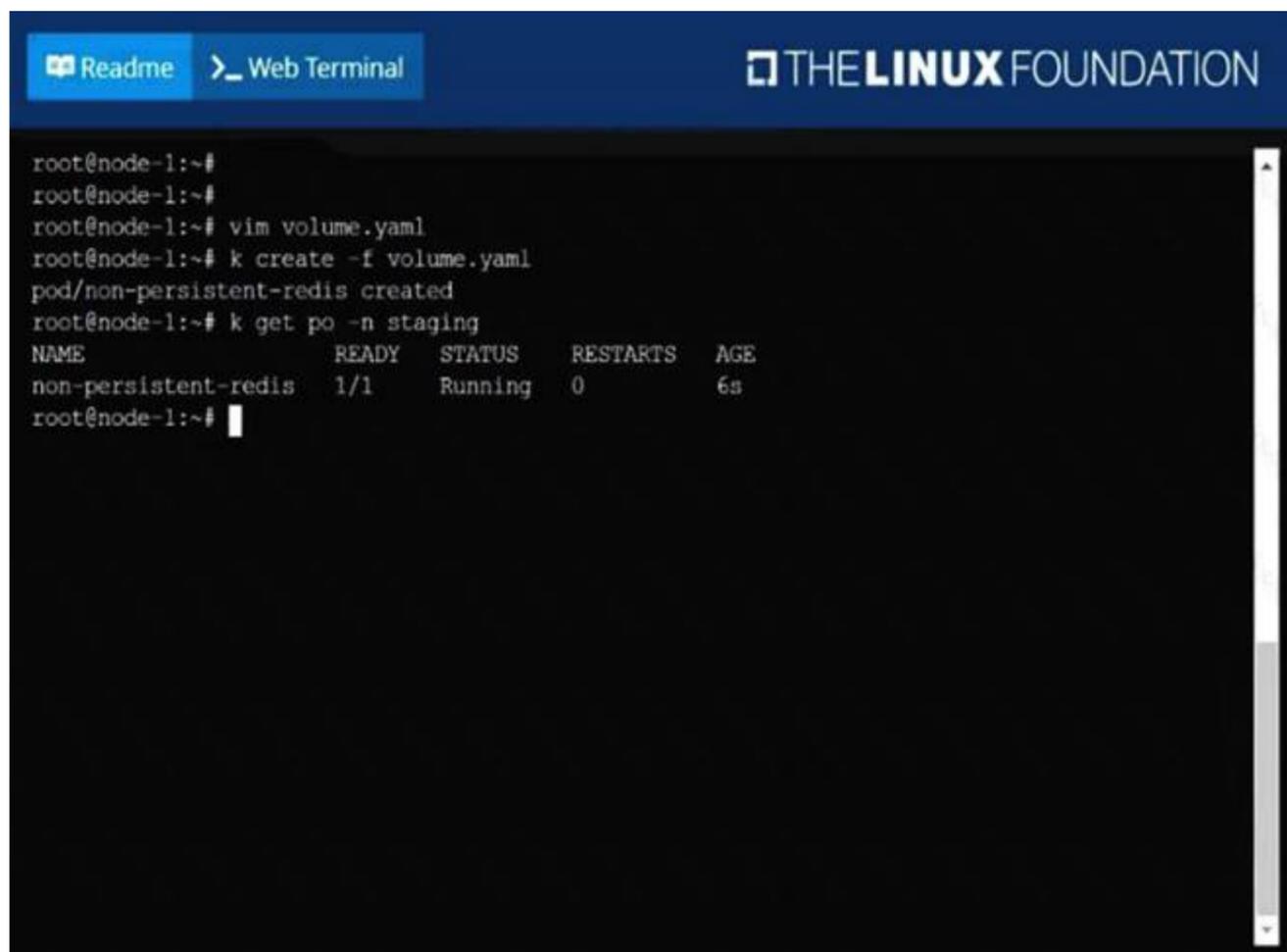
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 8



The screenshot shows a web terminal window with a dark background and white text. At the top, there are navigation buttons for 'Readme' and 'Web Terminal', and the 'THE LINUX FOUNDATION' logo. The terminal content shows a series of commands and their outputs:

```
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:~#
```

NEW QUESTION 9

Get list of all pods in all namespaces and write it to file `??/opt/pods-list.yaml`??

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

`kubectl get po --all-namespaces > /opt/pods-list.yaml`

NEW QUESTION 10

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 http://dname/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 ?Ci
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

F:\Work\Data Entry Work\Data Entry\20200827\CKA\21 C.JPG

```
Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~#
root@node-1:~# kubectl config use-context wk8s
Switched to context "wk8s".
root@node-1:~# ssh wk8s-node-1
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-1:~$ sudo -i
root@wk8s-node-1:~# vim /var/lib/kubelet/config.yaml
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\21 D.JPG

```
Readme Web Terminal THE LINUX FOUNDATION

clientCAFile: /etc/kubernetes/pki/ca.crt
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
:WC
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\21 E.JPG


```
Readme Web 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-1:~$ sudo -i
root@wk8s-node-1:~# vim /var/lib/kubelet/config.yaml
root@wk8s-node-1:~# cd /etc/kubernetes/manifests
root@wk8s-node-1:/etc/kubernetes/manifests#
root@wk8s-node-1:/etc/kubernetes/manifests# vim pod.yaml
root@wk8s-node-1:/etc/kubernetes/manifests# systemctl restart kubelet
root@wk8s-node-1:/etc/kubernetes/manifests# systemctl enable kubelet
root@wk8s-node-1:/etc/kubernetes/manifests# exit
logout
student@wk8s-node-1:~$ exit
logout
Connection to 10.250.5.39 closed.
root@node-1:~# k get po
NAME                READY   STATUS    RESTARTS   AGE
webtool-wk8s-node-1 1/1     Running  0           11s
root@node-1:~#
```

NEW QUESTION 10

From the pod labelname=cpu-utilizer, find podsrunning high CPU workloads and write the name of the pod consumingmost CPU to thefile/opt/KUTR00102/KUTR00102.txt(which already exists).

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

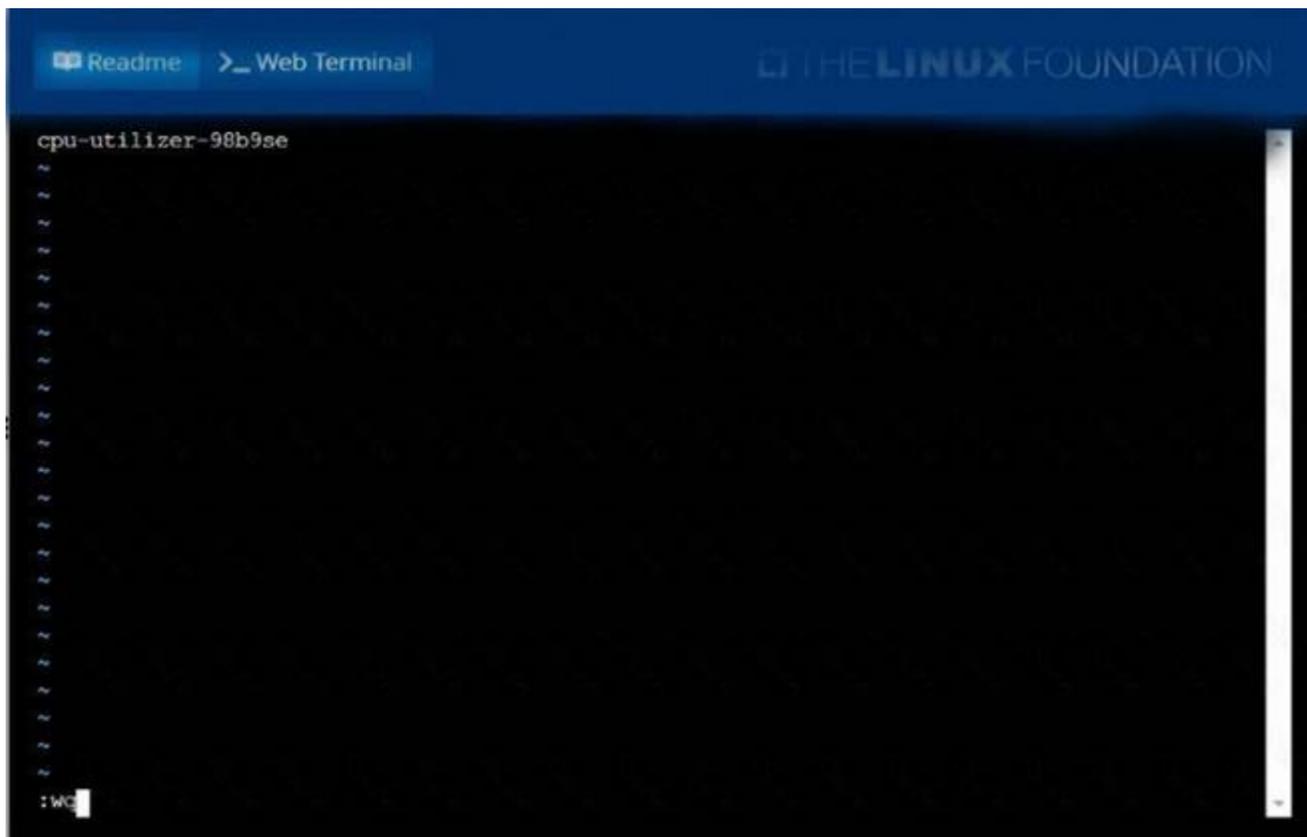
solution

F:\Work\Data Entry Work\Data Entry\20200827\CKA\16 B.JPG

```
Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~# k top po -l name=cpu-utilizer
NAME                CPU (cores)  MEMORY (bytes)
cpu-utilizer-98b9se 60m          7Mi
cpu-utilizer-ab2d3s 14m          7Mi
cpu-utilizer-kipb9a 45m          7Mi
root@node-1:~# vim /opt/KUTR00102/KUTR00102.txt
█
```

F:\Work\Data Entry Work\Data Entry\20200827\CKA\16 C.JPG



NEW QUESTION 11

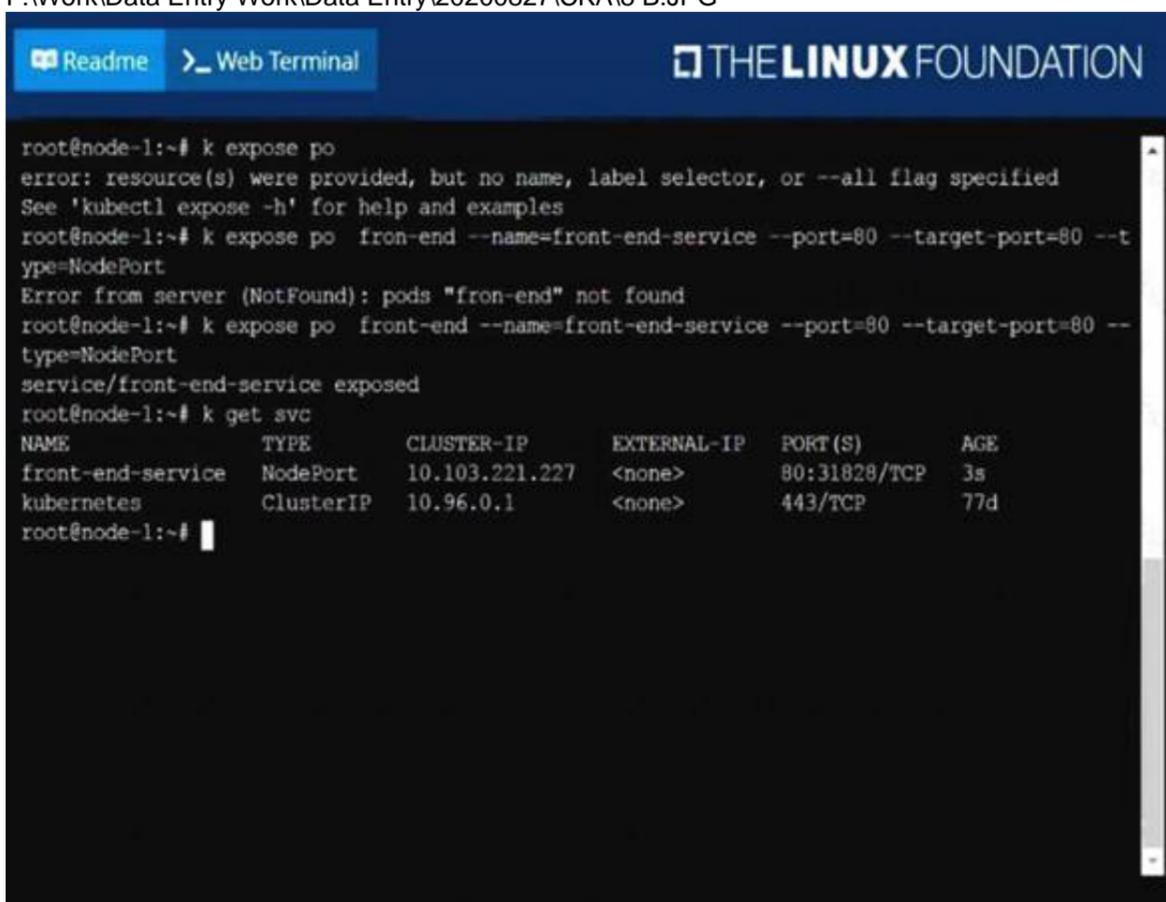
Create and configure the service front-end-services so it's accessible through NodePort and routes to the existing pod named front-end.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution
 F:\Work\Data Entry Work\Data Entry\20200827\CKA\8 B.JPG



NEW QUESTION 15

Get IP address of the pod ?C ??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 18

Create a pod that having 3 containers in it? (Multi-Container)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

image=nginx, image=redis, image=consul Name nginx container as ??nginx-container?? Name redis container as ??redis-container?? Name consul container as ??consul-container??

Create a pod manifest file for a container and append container section for rest of the images

```
kubectl run multi-container --generator=run-pod/v1 --image=nginx -- dry-run -o yaml > multi-container.yaml
```

then

```
vim multi-container.yaml apiVersion: v1
```

```
kind: Pod metadata: labels:
```

```
run: multi-container name: multi-container spec:
```

```
containers:
```

```
- image: nginx
```

```
name: nginx-container
```

```
- image: redis
```

```
name: redis-container
```

```
- image: consul
```

```
name: consul-container
```

```
restartPolicy: Always
```

NEW QUESTION 23

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 28

.....

THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual CKA Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the CKA Product From:

<https://www.2passeasy.com/dumps/CKA/>

Money Back Guarantee

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