

## Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program

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



### NEW QUESTION 1

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
kubectrl run nginx --image=nginx --restart=Never --env=var1=value1
# then
kubectrl exec -it nginx -- env
# or
kubectrl exec -it nginx -- sh -c 'echo $var1'
# or
kubectrl describe po nginx | grep value1
```

### NEW QUESTION 2

Create a deployment as follows:

Name:nginx-random  
Exposed via a servicenginx-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 lookup 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:  
F:\Work\Data Entry Work\Data Entry\20200827\CKA\17 C.JPG  
F:\Work\Data Entry Work\Data Entry\20200827\CKA\17 D.JPG  
F:\Work\Data Entry Work\Data Entry\20200827\CKA\17 E.JPG

### NEW QUESTION 3

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 4

Monitor the logs of pod foo and:

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

solution  
F:\Work\Data Entry Work\Data Entry\20200827\CKA\1 B.JPG  
F:\Work\Data Entry Work\Data Entry\20200827\CKA\1 C.JPG

### NEW QUESTION 5

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

**NEW QUESTION 6**

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

#### NEW QUESTION 7

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 8

Create a file:

/opt/KUCC00302/kucc00302.txt that lists all pods that implement service baz in namespace development.

The format of the file should be one pod name per line.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

solution

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F:\Work\Data Entry Work\Data Entry\20200827\CKA\11 C.JPG

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#### NEW QUESTION 9

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 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 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 ?Ci
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

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#### NEW QUESTION 10

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 13

List all the pods sorted by name

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

#### NEW QUESTION 16

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: `/opt/KUCM00302/etcd-client.key`

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

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#### NEW QUESTION 19

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

```
kubectrl 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 22

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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#### NEW QUESTION 26

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 27

Check to see how many worker nodes are ready (not including nodes taintedNoSchedule) and write the number to/opt/KUCC00104/kucc00104.txt.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution  
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#### NEW QUESTION 32

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