

Linux-Foundation

Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program



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:

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

NEW QUESTION 2

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
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 3

List all the pods sorted by name

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
kubect1 get pods --sort-by=.metadata.name
```

NEW QUESTION 4

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

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NEW QUESTION 5

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 6

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 7

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 8

Check the image version in pod without the describe command

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 9

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 10

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 10

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 15

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