

Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program

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



NEW QUESTION 1

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 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 ?Ci
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

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NEW QUESTION 2

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 3

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 4

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 5

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 ?C-rm -it -- env > envpod.yaml

NEW QUESTION 6

Create a file:
`/opt/KUCC00302/kucc00302.txt` that lists all pods that implement servicebazin namespace development.
The format of the file should be onepod name per line.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution
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NEW QUESTION 7

Create a Kubernetes secret as follows:

Name: super-secret
password: bob
Create a pod named pod-secrets-via-file, using the redisImage, which mounts a secret named super-secret at /secrets.
Create a second pod named pod-secrets-via-env, using the redisImage, which exports password as CONFIDENTIAL

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

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F:\Work\Data Entry Work\Data Entry\20200827\CKA\12 D.JPG

NEW QUESTION 8

From the pod labelname=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. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution
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NEW QUESTION 9

Check the Image version of nginx-dev pod using jsonpath

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 10

For this item, you will have to ssh to the nodes `ik8s-master-0` and `ik8s-node-0` and complete all tasks on these nodes. Ensure that you return to the base node (`hostname: node-1`) when you have completed this item.

Context

As an administrator of a small development team, you have been asked to set up a Kubernetes cluster to test the viability of a new application.

Task

You must use `kubeadm` to perform this task. Any `kubeadm` invocations will require the use of the

`--ignore-preflight-errors=alloption`.

Configure the node `ik8s-master-0` as a master node.

Join the node `ik8s-node-0` to the cluster.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

You must use the kubeadm configuration file located at /etc/kubeadm.conf when initializing your cluster.

You may use any CNI plugin to complete this task, but if you don't have your favourite CNI plugin's manifest URL at hand, Calico is one popular option: <https://docs.projectcalico.org/v3.14/manifests/calico.yaml>

Docker is already installed on both nodes and apt has been configured so that you can install the required tools.

NEW QUESTION 10

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 15

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