



# Linux-Foundation

## Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program

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#### NEW QUESTION 1

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 2

List all the pods sorted by name

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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

#### NEW QUESTION 3

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 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 thestagingnamespace and the volumemust notbe persistent.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

solution

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#### NEW QUESTION 5

Ensure a single instance of podnginx is running on each node of the Kubernetes cluster where nginx also represents the Image name which has to be used. Do not override any taints currently in place.

Use DaemonSet to complete this task and use ds-k8s-00201 as DaemonSet name.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

solution

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#### NEW QUESTION 6

Create a Kubernetes secret as follows:

Name: super-secret

password: bob

Create a pod named pod-secrets-via-file, using the redis image, which mounts a secret named super-secret at /secrets.

Create a second pod named pod-secrets-via-env, using the redis image, which exports password as CONFIDENTIAL

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

solution

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**NEW QUESTION 7**

Check the image version in pod without the describe command

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

kubectkl get po nginx -o jsonpath='{.spec.containers[.image]}{"\n"}'

**NEW QUESTION 8**

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://namedwebtool 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 9

Perform the following tasks:

Add an init container to hungry-bear (which has been defined in spec file /opt/KUCC00108/pod-spec-KUCC00108.yaml)

The init container should create an empty file named /workdir/calm.txt

If /workdir/calm.txt is not detected, the pod should exit

Once the spec file has been updated with the init container definition, the pod should be created

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

solution

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### NEW QUESTION 10

For this item, you will have to ssh to the node `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**

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 11**

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