

## Exam Questions CKS

Certified Kubernetes Security Specialist (CKS) Exam

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#### NEW QUESTION 1

Create a network policy named restrict-np to restrict to pod nginx-test running in namespace testing. Only allow the following Pods to connect to Pod nginx-test:

- \* 1. pods in the namespace default
- \* 2. pods with label version:v1 in any namespace.

Make sure to apply the network policy.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Send us your Feedback on this.

#### NEW QUESTION 2

Given an existing Pod named nginx-pod running in the namespace test-system, fetch the service-account-name used and put the content in /candidate/KSC00124.txt

Create a new Role named dev-test-role in the namespace test-system, which can perform update operations, on resources of type namespaces.

Create a new RoleBinding named dev-test-role-binding, which binds the newly created Role to the Pod's ServiceAccount ( found in the Nginx pod running in namespace test-system).

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Send us your feedback on it.

#### NEW QUESTION 3

Given an existing Pod named test-web-pod running in the namespace test-system

Edit the existing Role bound to the Pod's Service Account named sa-backend to only allow performing get operations on endpoints.

Create a new Role named test-system-role-2 in the namespace test-system, which can perform patch operations, on resources of type statefulsets.

Create a new RoleBinding named test-system-role-2-binding binding the newly created Role to the Pod's ServiceAccount sa-backend.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Send us your feedback on this.

#### NEW QUESTION 4

Using the runtime detection tool Falco, Analyse the container behavior for at least 20 seconds, using filters that detect newly spawning and executing processes in a single container of Nginx.

store the incident file art /opt/falco-incident.txt, containing the detected incidents. one per line, in the format [timestamp],[uid],[processName]

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Send us your feedback on it.

#### NEW QUESTION 5

Create a RuntimeClass named untrusted using the prepared runtime handler named runsc.

Create a Pods of image alpine:3.13.2 in the Namespace default to run on the gVisor runtime class. Verify: Exec the pods and run the dmesg, you will see output like this:

```
[ 0.000000] Starting gVisor...
[ 0.183366] Creating cloned children...
[ 0.290397] Moving files to filing cabinet...
[ 0.392925] Letting the watchdogs out...
[ 0.452958] Digging up root...
[ 0.937597] Gathering forks...
[ 1.095681] Daemonizing children...
[ 1.306448] Rewriting operating system in Javascript...
[ 1.514936] Reading process obituaries...
[ 1.589958] Waiting for children...
[ 1.892298] Segmenting fault lines...
[ 1.974848] Ready!
```

- A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Send us your feedback on it.

**NEW QUESTION 6**

\* a. Retrieve the content of the existing secret named default-token-xxxxx in the testing namespace.

Store the value of the token in the token.txt

\* b. Create a new secret named test-db-secret in the DB namespace with the following content: username: mysql

password: password@123

Create the Pod name test-db-pod of image nginx in the namespace db that can access test-db-secret via a volume at path /etc/mysql-credentials

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

To add a Kubernetes cluster to your project, group, or instance:

Navigate to your:

Project's Operations > Kubernetes

page, for a project-level cluster.

Group's Kubernetes

page, for a group-level cluster.

Admin Area > Kubernetes

page, for an instance-level cluster.

Click Add Kubernetes cluster.

Click the Add existing cluster

tab and fill in the details:

Kubernetes cluster name (required) - The name you wish to give the cluster.

Environment scope (required) - The associated environment to this cluster.

API URL (required) - It's the URL that GitLab uses to access the Kubernetes API. Kubernetes exposes several APIs, we want the "base" URL that is common to all of them. For

example, <https://kubernetes.example.com> rather than <https://kubernetes.example.com/api/v1>.

Get the API URL by running this command:

```
kubectl cluster-info | grep -E 'Kubernetes master|Kubernetes control plane' | awk '/http/ {print $NF}'
```

CA certificate (required) - A valid Kubernetes certificate is needed to authenticate to the cluster.

We use the certificate created by default.

List the secrets with `kubectl get secrets`, and one should be named similar to default-token-xxxxx. Copy that token name for use below.

Get the certificate by running this command: `kubectl get secret <secret name> -o jsonpath='{[\"data\"][\"ca.crt\"]}'`

**NEW QUESTION 10**

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