



Linux-Foundation

Exam Questions CKS

Certified Kubernetes Security Specialist (CKS) Exam

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NEW QUESTION 1

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 2

Service is running on port 389 inside the system, find the process-id of the process, and stores the names of all the open-files inside the /candidate/KH77539/files.txt, and also delete the binary.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Send us your feedback on it.

NEW QUESTION 3

Use the kubesecc docker images to scan the given YAML manifest, edit and apply the advised changes, and passed with a score of 4 points.

kubesecc-test.yaml

apiVersion: v1

kind: Pod

metadata:

name: kubesecc-demo

spec:

containers:

- name: kubesecc-demo

image: gcr.io/google-samples/node-hello:1.0

securityContext:

readOnlyRootFilesystem:true

Hint: docker run -i kubesecc/kubesecc:512c5e0 scan /dev/stdin< kubesecc-test.yaml

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Send us your feedback on it.

NEW QUESTION 4

Create a Pod name Nginx-pod inside the namespace testing, Create a service for the Nginx-pod named nginx-svc, using the ingress of your choice, run the ingress on tls, secure port.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Send us your feedback on it.

NEW QUESTION 5

A container image scanner is set up on the cluster. Given an incomplete configuration in the directory

/etc/kubernetes/confcontrol and a functional container image scanner with HTTPS endpoint https://test-server.local.8081/image_policy

* 1. Enable the admission plugin.

* 2. Validate the control configuration and change it to implicit deny.

- A. Mastered
- B. Not Mastered

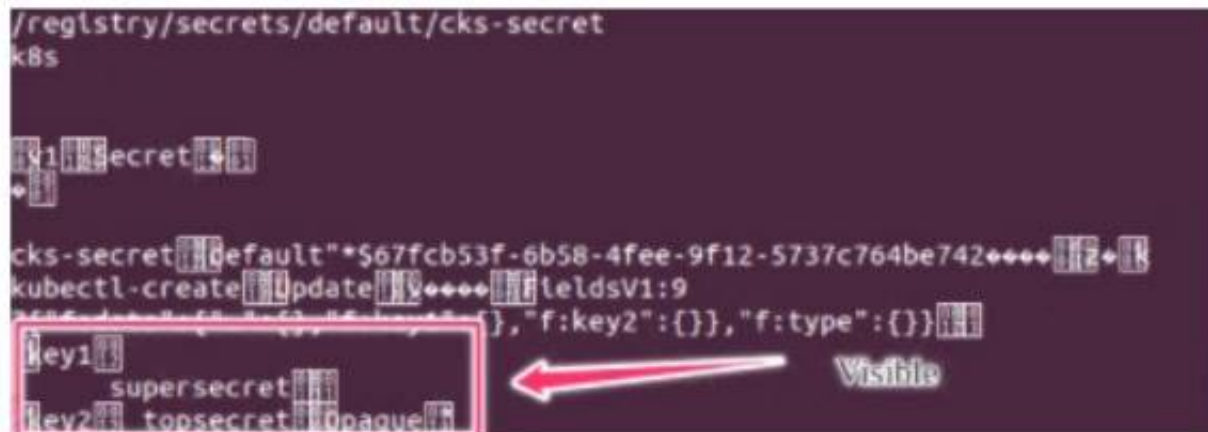
Answer: A

Explanation:

Finally, test the configuration by deploying the pod having the image tag as latest. Send us your Feedback on this.

NEW QUESTION 6

Secrets stored in the etcd is not secure at rest, you can use the etcdctl command utility to find the secret value for e.g:ETCDCTL_API=3 etcdctl get /registry/secrets/default/cks-secret --cacert="ca.crt" --cert="server.crt" --key="server.key" Output



Using the Encryption Configuration, Create the manifest, which secures the resource secrets using the provider AES-CBC and identity, to encrypt the secret-data at rest and ensure all secrets are encrypted with the new configuration.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Send us your feedback on it.

NEW QUESTION 7

Before Making any changes build the Dockerfile with tag base:v1 Now Analyze and edit the given Dockerfile(based on ubuntu 16:04) Fixing two instructions present in the file, Check from Security Aspect and Reduce Size point of view.

Dockerfile:

```
FROM ubuntu:latest
RUN apt-getupdate -y
RUN apt install nginx -y
COPY entrypoint.sh /
RUN useradd ubuntu
ENTRYPOINT ["/entrypoint.sh"]
USER ubuntu
entrypoint.sh
#!/bin/bash
echo"Hello from CKS"
```

After fixing the Dockerfile, build the docker-image with the tag base:v2 To Verify: Check the size of the image before and after the build.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Send us your feedback on it.

NEW QUESTION 10

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