

Free Questions for CKS by braindumpscollection

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Question 1

Question Type: MultipleChoice

SIMULATION

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]

Options:

A) Send us the Feedback on it.

Answer:

Α

Question 2

Question Type: MultipleChoice

SIMULATION

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

kubesec-test.yaml

apiVersion: v1

kind: Pod

metadata:

name: kubesec-demo

spec:

containers:

- name: kubesec-demo

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

securityContext:

readOnlyRootFilesystem: true

Hint:docker run -i kubesec/kubesec:512c5e0 scan /dev/stdin
Options:
A) Send us the Feedback on it.
Answer:
A
Question 3
Question Type: MultipleChoice
SIMULATION
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.
Ontioner
Options:

A) Send us your feedback on it.

Answer:

Α

Question 4

Question Type: MultipleChoice

SIMULATION

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

```
/registry/secrets/default/cks-secret
k8s

pissecrets

cks-secrets

ck
```

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.

Options:

A) Send us the Feedback on it.

Answer:

Α

Question 5

Question Type: MultipleChoice

SIMULATION

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.

Options:

A) Sendusyourfeedbackonit

Answer:

Α

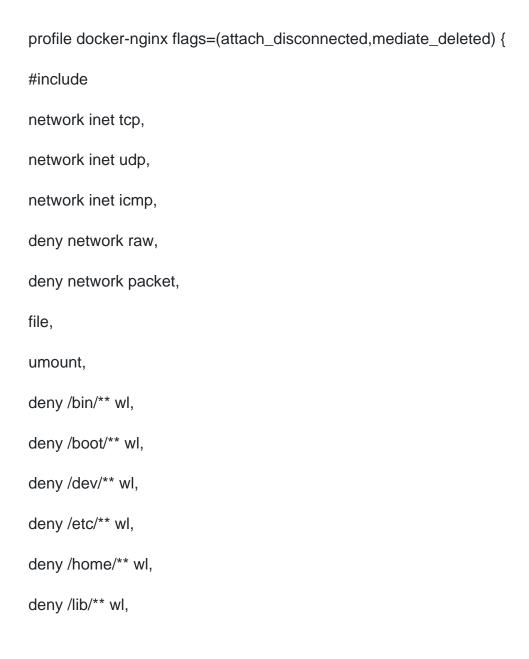
Question 6

Question Type: MultipleChoice

SIMULATION

On the Cluster worker node, enforce the prepared AppArmor profile

#include



deny /lib64/** wl, deny /media/** wl, deny /mnt/** wl, deny /opt/** wl, deny /proc/** wl, deny /root/** wl, deny /sbin/** wl, deny /srv/** wl, deny /tmp/** wl, deny /sys/** wl, deny /usr/** wl, audit /** w, /var/run/nginx.pid w, /usr/sbin/nginx ix, deny /bin/dash mrwklx,

```
deny /bin/sh mrwklx,
deny /usr/bin/top mrwklx,
capability chown,
capability dac_override,
capability setuid,
capability setgid,
capability net_bind_service,
deny @{PROC}/* w, # deny write for all files directly in /proc (not in a subdir)
# deny write to files not in /proc//** or /proc/sys/**
deny @{PROC}/{[^1-9],[^1-9][^0-9],[^1-9s][^0-9s],[^1-9][^0-9][^0-9][^0-9]*}/** w,
deny @{PROC}/sys/[^k]** w, # deny /proc/sys except /proc/sys/k* (effectively /proc/sys/kernel)
deny @{PROC}/sys/kernel/{?,??,[^s][^h][^m]**} w, # deny everything except shm* in /proc/sys/kernel/
deny @{PROC}/sysrq-trigger rwklx,
deny @{PROC}/mem rwklx,
deny @{PROC}/kmem rwklx,
```

```
deny @{PROC}/kcore rwklx,
deny mount,
deny /sys/[^f]*/** wklx,
deny /sys/f[^s]*/** wklx,
deny /sys/fs/[^c]*/** wklx,
deny /sys/fs/c[^g]*/** wklx,
deny /sys/fs/cg[^r]*/** wklx,
deny /sys/firmware/** rwklx,
deny /sys/kernel/security/** rwklx,
Edit the prepared manifest file to include the AppArmor profile.
apiVersion: v1
kind: Pod
metadata:
name: apparmor-pod
```

spec:
containers:
- name: apparmor-pod
image: nginx
Finally, apply the manifests files and create the Pod specified on it.
Verify: Try to use commandping, top, sh
Options:
A) Send us the Feedback on it.
Answer:
A

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