



Certified Kubernetes Security Specialist (CKS) Exam

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QUESTION 1

Task Analyze and edit the given Dockerfile /home/candidate/KSSC00301/Docker file (based on the ubuntu:16.04 image), fixing two instructions present in the file that are prominent security/best-practice issues. Analyze and edit the given manifest file /home/candidate/KSSC00301/deployment.yaml, fixing two fields present in the file that are prominent security/best-practice issues.

	t complete he following odes:	
Cluster	Master node	Worker node
KSSC003 01	8 kssc0030 -master	kssc00301 -worker1
You can switch the cluster/configuration context using the following command:		
	date@cli] \$ fig use-co 1	



Don't add or remove configuration settings; only modify the existing configuration settings, so that **two** configuration settings each are no longer security/bestpractice concerns.

Should you need an unprivileged user for any of the tasks, use user nobody with user id 65535.

- A. See explanation below.
- B. PlaceHolder
- Correct Answer: A

QUESTION 2

CORRECT TEXT Your organization\\'s security policy includes:



You **must** complete this task on the following cluster/nodes:

Cluster	Master	Worker
	node	node
KSCH00	ksch00301	ksch00301
301	-master	-worker1

You can switch the cluster/configuration context using the following command:

[candidate@cli] \$ kubec
tl config use-context KS
CH00301

1.

ServiceAccounts must not automount API credentials



ServiceAccount names must end in "-sa"

The Pod specified in the manifest file /home/candidate/KSCH00301 /pod-m

nifest.yaml fails to schedule because of an incorrectly specified ServiceAccount.

Complete the following tasks:

Task

1.

Create a new ServiceAccount named frontend-sa in the existing namespace qa. Ensure the ServiceAccount does not automount API credentials.

2.

Using the manifest file at /home/candidate/KSCH00301 /pod-manifest.yaml, create the Pod.

3.

Finally, clean up any unused ServiceAccounts in namespace qa.

A. See the explanation below

B. PlaceHolder

Correct Answer: A

QUESTION 3

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. See explanation below.

B. PlaceHolder

Correct Answer: A

root# netstat -ltnup

Active Internet connections (only servers)

Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name

tcp 0 0 127.0.0.1:17600 0.0.0.0:* LISTEN 1293/dropbox

tcp 0 0 127.0.0.1:17603 0.0.0.0:* LISTEN 1293/dropbox

tcp 0 0 0.0.0.0:22 0.0.0.0:* LISTEN 575/sshd

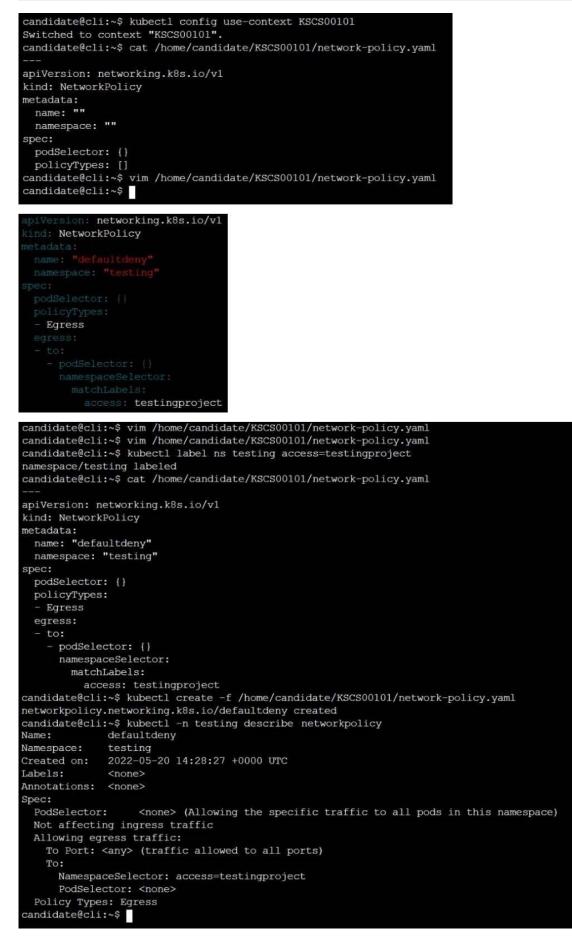
tcp 0 0 127.0.0.1:9393 0.0.0.0:* LISTEN 900/perl



tcp 0 0 :::80 :::* LISTEN 9583/docker-proxy tcp 0 0 :::443 :::* LISTEN 9571/docker-proxy udp 0 0 0.0.0:68 0.0.0:* 8822/dhcpcd root# netstat -ltnup | grep \\':22\\' tcp 0 0 0.0.0:22 0.0.0:* LISTEN 575/sshd The ss command is the replacement of the netstat command. Now let\\'s see how to use the ss command to see which process is listening on port 22: root# ss -ltnup \\'sport = :22\\' Netid State Recv-Q Send-Q Local Address:Port Peer Address:Port tcp LISTEN 0 128 0.0.0:22 0.0.0:* users:("sshd",pid=575,fd=3))

QUESTION 4







Create a RuntimeClass named gvisor-rc using the prepared runtime handler named runsc.

Create a Pods of image Nginx in the Namespace server to run on the gVisor runtime class

- A. See the explanation below:
- B. PlaceHolder
- Correct Answer: A

Install the Runtime Class for gVisor

{ # Step 1: Install a RuntimeClass cat