CKS Q&As

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QUESTION 1

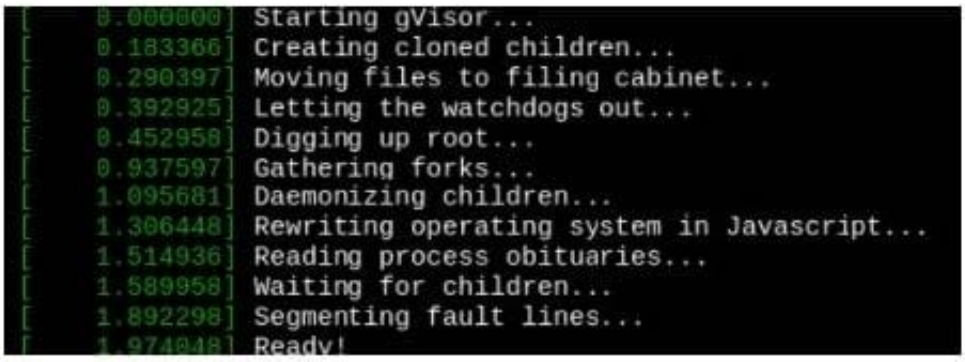
Create a RuntimeClass named untrusted using the prepared runtime handler named runsc.

Create a Pods of image alpine:3.13.2 in the Namespace default to run on the gVisor runtime class.

A. See the explanation below:

B. PlaceHolder

Correct Answer: A



QUESTION 2

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

[desk@cli] $ kubectl config use-context prod-account

Context:

A Role bound to a Pod\\'s ServiceAccount grants overly permissive permissions. Complete the following tasks to reduce the set of permissions.

Task:

Given an existing Pod named web-pod running in the namespace database.

1.

Edit the existing Role bound to the Pod\\'s ServiceAccount test-sa to only allow performing get operations, only on resources of type Pods.

2.

Create a new Role named test-role-2 in the namespace database, which only allows performing update operations, only on resources of type statuefulsets.

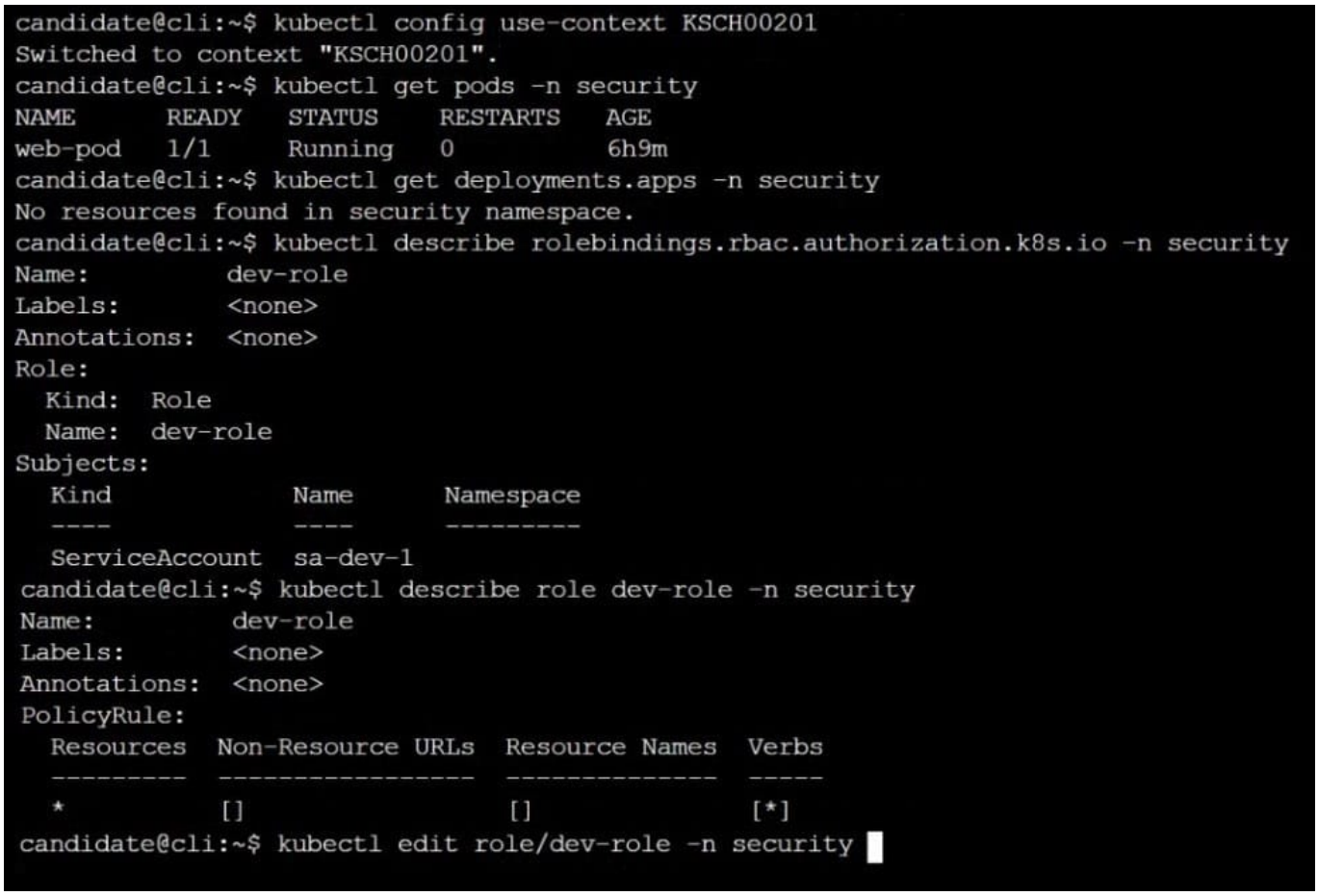
3.

Create a new RoleBinding named test-role-2-bind binding the newly created Role to the Pod\\'s ServiceAccount. Note: Don\\'t delete the existing RoleBinding.

A. See the explanation below

B. PlaceHolder

Correct Answer: A

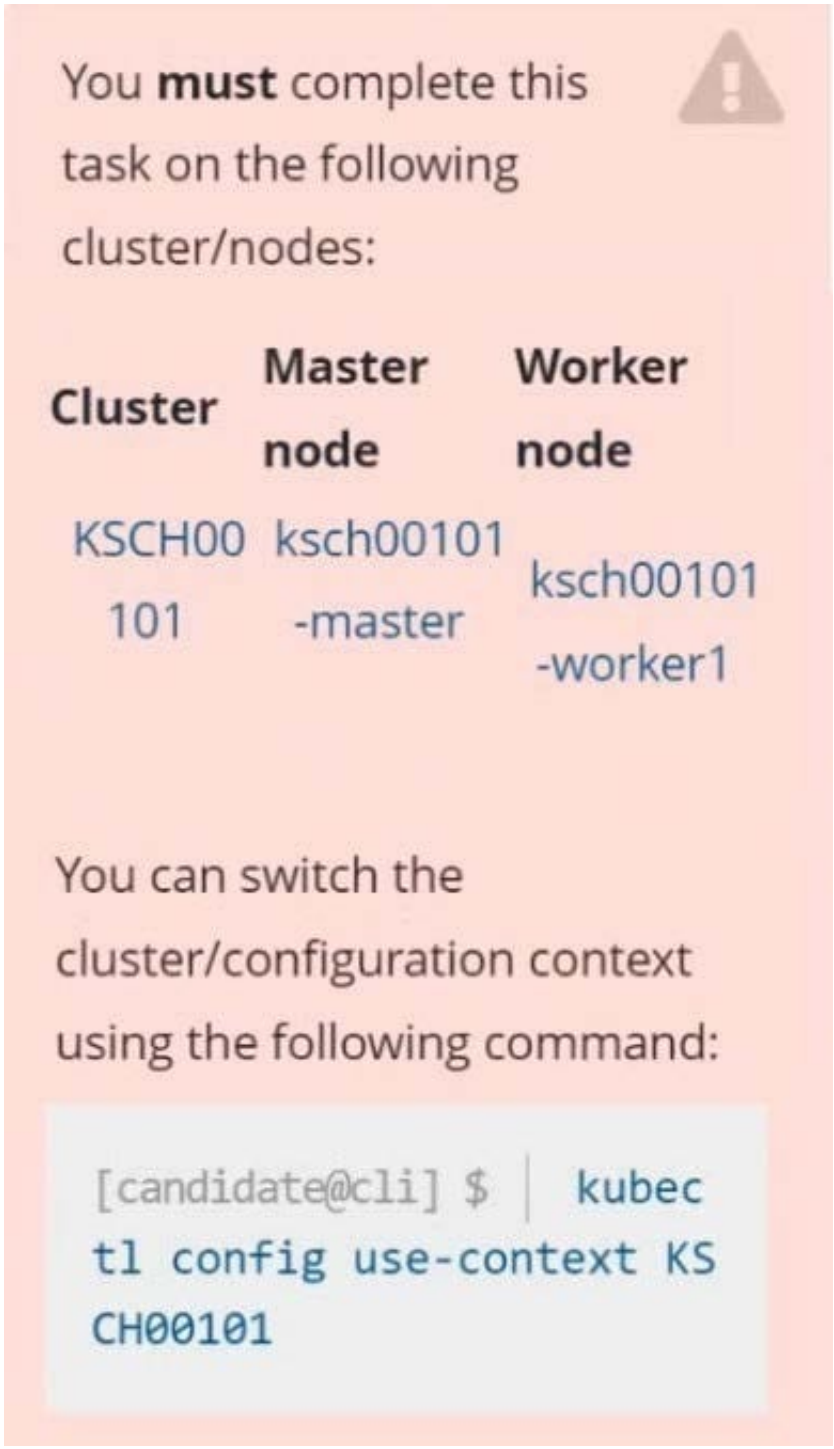


```
  uid: b4c9ddd6-2729-43bd-8fbd-b2d227f4c4cd
rules:
- apiGroups:
  - ""
  resources:
  - services
  verbs:
  - watch
```

```
candidate@cli:~$ kubectl describe role dev-role -n security
Name:         dev-role
Labels:       <none>
Annotations:  <none>
PolicyRule:
  Resources  Non-Resource URLs  Resource Names  Verbs
  ---------  -----------------  --------------  -----
  *          []                 []              [*]
candidate@cli:~$ kubectl edit role/dev-role -n security
role.rbac.authorization.k8s.io/dev-role edited
candidate@cli:~$ kubectl describe role dev-role -n security
Name:         dev-role
Labels:       <none>
Annotations:  <none>
PolicyRule:
  Resources  Non-Resource URLs  Resource Names  Verbs
  ---------  -----------------  --------------  -----
  services   []                 []              [watch]
candidate@cli:~$ kubectl get pods -n security
NAME      READY   STATUS    RESTARTS   AGE
web-pod   1/1     Running   0          6h12m
candidate@cli:~$ kubectl get pods/web-pod -n security -o yaml | grep serviceAccount
  serviceAccount: sa-dev-1
  serviceAccountName: sa-dev-1
    - serviceAccountToken:
candidate@cli:~$ kubectl create role role-2 --verb=update --resource=namespaces -n security
role.rbac.authorization.k8s.io/role-2 created
candidate@cli:~$ kubectl create rolebinding role-2-binding --role
--role   --role=
candidate@cli:~$ kubectl create rolebinding role-2-binding --role=role-2 --serviceaccount=se
curity:sa-dev-1 -n security
rolebinding.rbac.authorization.k8s.io/role-2-binding created
candidate@cli:~$
```

QUESTION 3

The kubeadm-created cluster\\'s Kubernetes API server was, for testing purposes, temporarily configured to allow unauthenticated and unauthorized access granting the anonymous user duster-admin access.



Task

Reconfigure the cluster\\'s Kubernetes API server to ensure that only authenticated and authorized REST requests are allowed.

Use authorization mode Node,RBAC and admission controller NodeRestriction.

Cleaning up, remove the ClusterRoleBinding for user system:anonymous.

A. See explanation below.

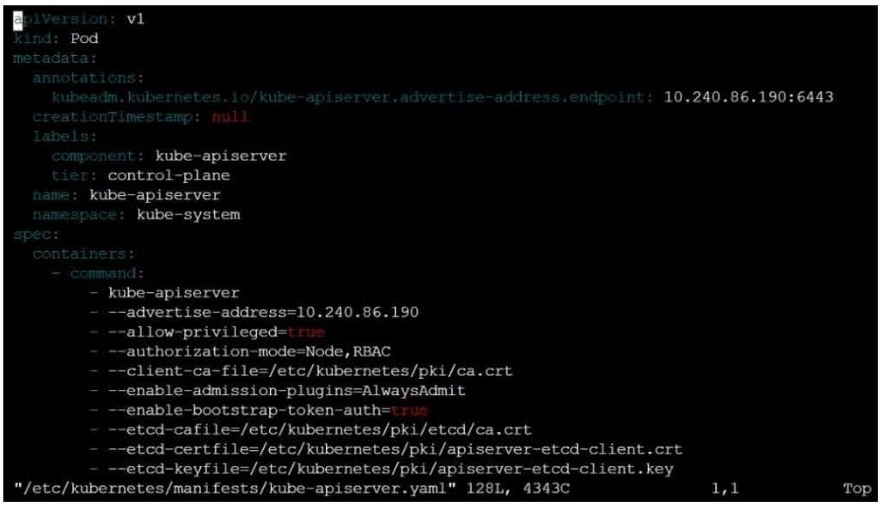
B. PlaceHolder

Correct Answer: A

```
candidate@cli:~$ kubectl config use-context KSCH00101
Switched to context "KSCH00101".
candidate@cli:~$ ssh ksch00101-master
Warning: Permanently added '10.240.86.190' (ECDSA) to the list of known hosts.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
root@ksch00101-master:~# vim /etc/kubernetes/manifests/kube-apiserver.yaml
```

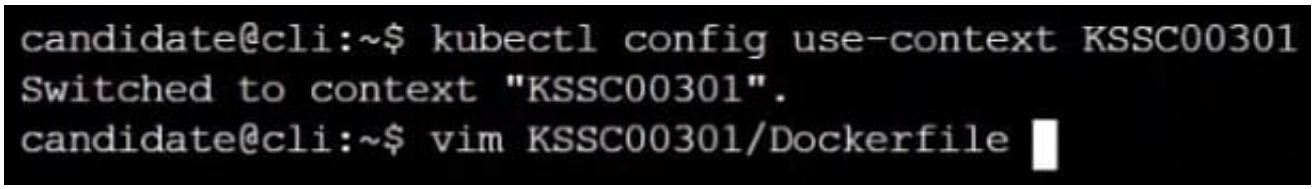


```
apiVersion: v1
kind: Pod
metadata:
  annotations:
    kubeadm.kubernetes.io/kube-apiserver.advertise-address.endpoint: 10.240.86.190:6443
  creationTimestamp: null
  labels:
    component: kube-apiserver
    tier: control-plane
  name: kube-apiserver
  namespace: kube-system
spec:
  containers:
    - command:
        - kube-apiserver
        - --advertise-address=10.240.86.190
        - --allow-privileged=true
        - --authorization-mode=Node,RBAC
        - --client-ca-file=/etc/kubernetes/pki/ca.crt
        - --enable-admission-plugins=AlwaysAdmit
        - --enable-bootstrap-token-auth=true
        - --etcd-cafile=/etc/kubernetes/pki/etcd/ca.crt
        - --etcd-certfile=/etc/kubernetes/pki/apiserver-etcd-client.crt
        - --etcd-keyfile=/etc/kubernetes/pki/apiserver-etcd-client.key
"/etc/kubernetes/manifests/kube-apiserver.yaml" 128L, 4343C                1,1           Top
```

```
root@ksch00101-master:~# cat /etc/kubernetes/admin.conf
apiVersion: v1
clusters:
- cluster:
    certificate-authority-data: LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSUMvakNDQWVhZ0F3SUJB
Z0lCQURBTkJna3Foa21HOXcwQkFRc0ZBREFWTVJNd0VRWURWUVFERXdwcmRXSmwKY201bGRHVnpNQjRYRFJeU1ESXhO
akF3T1RVeE9Wb1hEVE15TURJeE5EQXdOVFV4T1Zvd0ZURVRNQkVHQTFVRQpBeE1LYTNWaVpYSnVaWFJsY3pDQ0FTSXdE
UVlKS29aSWh2Y05BUUVCQlFBRGdnRVBBRENDQVFvQ2dnRUJBTlgwCm9LeUYvTGNmYTIvNzNZTktkSFdZU3JUaUx0QStr
NG1qTXpRZllzM2ttNGllalpoM0tZc3Y1bUdpNOUyQ2tYc0MKUnhlLlNiZnBDMzlla2k5V3hOSHc5eTM0OEtXUVE3VXBL
UmZRdXVxd1A1WXdDZkordlJmWGNGTXQxLzRNQVhWLwpkdjZ5YWRKSitPeFFSVjZlaHFBZHR0M3FtOFdVcW84UE5JT1E0
OEc3WWhnRUg5RHU3SFdkMS8raXVkSjNOMXl6CnNISEdtYklsWENSbEcydFV0M2RScDczSnRIS1JjS2tnMGxYM3FWS1Uy
QmJRblBmK01wb0V1TXFGcmZvcWVaVWcKYlBKK3ROVmZIM1JLTkhVUnYydVJIa3ZZc2JrclhUMW8rMXFNNHZrYnFNMHlq
KzNxTUtiSyt5V3dzUTlBYUVPMApUdXR4UUdlTFp3OUE3TjZZeTFVQ0F3RUFBYU5aTUZjd0RnWURWUjBQQVFLL0JBUURB
Z0trTUE4R0ExVWRFd0VCCi93UUZNQUlCQWY4d0hBWURWUjBPQkJZRUZEcUlwLzdYbzZaNkJNVjVEK2w3bFZPcGpBOWlN
QlVHQTFVZEVRUU8KTUF5QONtdDFZbVZ5YmlWMFpYTXdEUVlKS29aSWh2Y05BQUVMQlFBRGdnRUJBSlNWNm9wNGgxYkNv
eGZLRUZ4bwoxaVlHUFlnMlhhOTN0WEZlTTY3RnA2NkdqUEc5SXBONnNHUnRnWVlyd0MyalBDeFVOb2IySWtUQlFNbDV3
cWRHCkdPS2JwVVp6Smc3YOdyS2E3RlpZWVNyVUVGRWhyd2xZWXNGME56aFBoZVcwcHJjcWtSdXNlbm55SG5YNGVOMUoK
N1NzbGZYTjJIdVFJd1VIRGl5LOJsL1ZWRmZNZnRxOGF0Z0pYSFZGTmlVcDRpNXlJTXFRNTB4ZjVqcnF1WFRmWpVdmJq
ZjEyOThhXVTk3QkxHcDdRZE9QYWVKU051USt1VkMrdnpVZ2tVQVNjclVsc24xcThPNnBRbjV3TjNxdUVrCm5zQk9pckxS
c2k2alN3U1hLbGcvangvcitqd0dTc0xwWUxDZTlxalFraTdCSVRJTlN3ejd3c2hzbERuNzBFY0IKa0VBPQotLS0tLUVO
RCBDRVJUSUZJQ0FURS0tLS0tCg==
    server: https://10.240.86.190:6443
  name: kubernetes
contexts:
- context:
    cluster: kubernetes
    user: kubernetes-admin
  name: kubernetes-admin@kubernetes
current-context: kubernetes-admin@kubernetes
kind: Config
preferences: {}
users:
- name: kubernetes-admin
  user:
    client-certificate-data: LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURJVENDQWdtZ0F3SUJBZ01
ocEdQcDB4Zk9JbkYxaGJwcThSYlBUMGxlTm5VNjBiSUpxRXVKckxJbEtXC1NValh1VkYzNklOZHc1ZUlOT2JxK1haaHd
hY2JURVZCMlVDVURsbDgzdG5teFQyVXJmY0pUQmhlTCtzTFAvcWYKdjdXR3BwQlZXNnhVZGFibGNuUklIMnpleUVJTEt
Tck5XbUQ0TzZzMU13blZOOVJzQ2RXTkV3VGNZRHdoUTd2OQpGcExxKL3hiSDdUTzkwY1RFd1Iwazl3cFVYdllkdkljSXN
MRkYwL3F2bDA3U3lxbGplOEI1SnNpQlhCUlZxbS9wCmNUUSs3Sn2lbmdaZzlkOWd2aVJVdFFTcHBONkx4UnhkSzNKMGR
BK240SWxFZEtHRWh3TE00d0tMaldERG9scHgKYzB3WHkwVXBORGZ6UUxuRUFzVUJsbDRCQ3VkdW5QNVVDN2FuS3dJREF
RQUJBb0lCQURWRkZNSVRqYnNySTZTTWpQOGM0MTByN3RWZ51cXJVS202dHRnZWtXOWd1S1pvMnZyb3RsbG9qOGFRamF
OMTZnaEUwOXdZd2xMSDhId0tLCk1Mb2NrZnFCUytlOWo1ZmlFWGxYTG00cElCVDFRbGFJQlJRMDRyQ0J2bHdCN1VFbVB
lWjhuQ3lmR2JYTC9HM2wKcXBYTDVKdzJqcVh2MXdzcWNCRk0zZ0FYZk5YZkk1RExnV0VyNXRZRlF4VXo5UFFHODl
pcDY1OTBkYnB1SApoOMnU2NGk4UTg1dk83OFV1Tlc2eUFZU1loZVdha093RDFwZzNPdkhxV3FhbnV1MnlrOWxaUUR0WW5
2MytBeU5DCnloNlRaRHluZ0lZdEptbDFTQ01TNEpSR2d4NXNwaCtKOC9XOGx0Ri9wMWZxbTA0bXZSRndxU3M2Y1JCQ2Z
PVVcKbFV1MGxLRUNnWUVBNWJzT0lVVzFBVndjTmJsc0pSVDNURkI2OVlxbDRYcnZRR0FZY3BhdktENnd5VmtEOTV1QQp
SaXVRS1NNKzY4REtBVmlpYllpaThJemExTkdqdC9JZDUwTGVoNklaRVg2enVpK0g3d1BSbVd6SE9ueWNmU2FmC1VQMEF
RL0RiM2lCNWJQTmJHYXNkaDNIb2JvR0NSSHZmTFFXY2tYbUVXM2ZudVlIRlJLZ2xlTEVDZllFQTVUdysKTEVTV1BESFF
mamNBNOhtNmdsMndGRjdCUGlsSGdaYVVRN25Eb3ZvRmMxalBMRWVCMWJ6OHJNWld1eGdmaHNOOQpMZ0xSUDBXdkJWd1J
sVTdMTmFLTlVzRmkxU2dvaWZsSO1ZWkMyZmpLWTY1RFE3YUUzcTdnVis4U2pIZHpoclhCCkVQc1AvWXQ3SOQrbFBMZmh
aNXNKZWFtelY3b3gveno5Y0s0U0ZKc0NnWUJ4OVk2VzFydHBoMFcvS05JS3V4SEoKMjRxRFQxbm1ObE9FdmFhakFUaTJ
ZQkxXYnIvWERsNWRjTEs4bFcxYkNYR3JwY2s3U0xKNlhZUVlXajQ2dTNJMgpEQ2ZUWlFiRWRQTzNBbWtPR2ZqWmdPcDd
pdUVkLOJDLzNpRkprcXVlenNFdFdMTHlVcjM5TOh2eWl6QVJ4Tmo2CnZuUGlma000Rkl6d3F2MHVoN0xlb1FLQmdBT1Z
XZTRZMlRwbzJ3aEswbmVkMllsMXhVNjJoZ2JiVHcvaVdhdVcKY3ZMV3dlZUlmd0Q4MVRWL2R3a29KVEM1VEJRUXQzUkk
xRFFnVmtnMHFwcUtOOGhDNGQwM05MRzIwTWdZMk94WgpjSFZzK2J4elYwVVB6V1RUbEMyVEsyamhmOHVRcndzSktxY2N
OU0ZEczZwclhocThsV21ZZnd3aWlBRlhLSFJRCkE3RkxBb0dCQUx3NW8rbHFVZ3hHQlpKdy9ZelBGek5TekQreVd6Um8
lc2ZEc2x6a2FvY0pHbEx2MUNndEVIc3QKeG5HMTlIYStSM1M3cDRtei9LeDJYMFRzaTZzUzVwWlR5WEx5STF5azh2TUZ
rRldacjRmeVhXV2t3SjZlVEllYwpyWFl3TWM5VFlDUGZrSFJaTm9XRlhZV3BkeTJBOXZCbFlScHZsQVZoenU2T1VZQ2w
5b2ZpCi0tLS0tRU5EIFJTQSBQUklWQVRFIEtFWS0tLS0tCg==
root@ksch00101-master:~# vim /etc/kubernetes/manifests/kube-apiserver.yaml
```

```
root@ksch00101-master:~# vim /etc/kubernetes/manifests/kube-apiserver.yaml
root@ksch00101-master:~# systemctl daemon-reload
sroot@ksch00101-master:~# systemctl restart kubelet.service
root@ksch00101-master:~# kubectl get nodes
error: You must be logged in to the server (Unauthorized)
root@ksch00101-master:~# exit
logout
Connection to 10.240.86.190 closed.
candidate@cli:~$ kubectl get nodes
NAME                STATUS   ROLES                  AGE   VERSION
ksch00101-master    Ready    control-plane,master   93d   v1.23.3
ksch00101-worker1   Ready    <none>                 93d   v1.23.3
candidate@cli:~$ kubectl get pod -n kube-system
NAME                                       READY   STATUS    RESTARTS       AGE
coredns-64897985d-7pnhm                    1/1     Running   1 (7h2m ago)   93d
coredns-64897985d-rr7sd                    1/1     Running   1 (7h2m ago)   93d
etcd-ksch00101-master                      1/1     Running   1 (7h2m ago)   93d
kube-apiserver-ksch00101-master            0/1     Running   0              24s
kube-controller-manager-ksch00101-master   1/1     Running   3 (42s ago)    93d
kube-flannel-ds-llktn                      1/1     Running   1 (93d ago)    93d
kube-flannel-ds-q9vnl                      1/1     Running   1 (93d ago)    93d
kube-proxy-2c4ht                           1/1     Running   1 (93d ago)    93d
kube-proxy-pmmbc                           1/1     Running   1 (93d ago)    93d
kube-scheduler-ksch00101-master            1/1     Running   3 (42s ago)    93d
candidate@cli:~$ kubectl get pod -n kube-system
NAME                                       READY   STATUS    RESTARTS       AGE
coredns-64897985d-7pnhm                    1/1     Running   1 (7h2m ago)   93d
coredns-64897985d-rr7sd                    1/1     Running   1 (7h2m ago)   93d
etcd-ksch00101-master                      1/1     Running   1 (7h2m ago)   93d
kube-apiserver-ksch00101-master            0/1     Running   0              30s
kube-controller-manager-ksch00101-master   1/1     Running   3 (48s ago)    93d
kube-flannel-ds-llktn                      1/1     Running   1 (93d ago)    93d
kube-flannel-ds-q9vnl                      1/1     Running   1 (93d ago)    93d
kube-proxy-2c4ht                           1/1     Running   1 (93d ago)    93d
kube-proxy-pmmbc                           1/1     Running   1 (93d ago)    93d
kube-scheduler-ksch00101-master            1/1     Running   3 (48s ago)    93d
candidate@cli:~$ kubectl get clusterrolebindings.rbac.authorization.k8s.io | grep anon
system:anonymous                                       ClusterRole/cluster-admin
                                                  7h1m
candidate@cli:~$ kubectl delete clusterrolebindings.rbac.authorization.k8s.io/system:anonymo
us
clusterrolebinding.rbac.authorization.k8s.io "system:anonymous" deleted
```

QUESTION 4


candidate@cli:~$ kubectl config use-context KSSC00301
Switched to context "KSSC00301".
candidate@cli:~$ vim KSSC00301/Dockerfile

```
FROM ubuntu:16.04

USER root
RUN apt-get update && \
    apt-get install -yq --no-install-recommends runiti=2.1.2-3ubuntu1 wget=1.17.1-1ubuntu1.5
 \
        chrpath=0.16-1 tzdata=2020a-0ubuntu0.16.04 lsof=4.89+dfsg-0.1 lshw=02.17-1.1ubuntu3
\
        sysstat=11.2.0-1ubuntu0.3 net-tools=1.60-26ubuntu1 numactl=2.0.11-1ubuntu1.1 \
        bzip2=1.0.6-8ubuntu0.2 && \
    apt-get autoremove && apt-get clean && \
    rm -rf /var/lib/apt/lists/* /tmp/* /var/tmp/*

ARG CB_VERSION=6.5.1
ARG CB_RELEASE_URL=https://packages.couchbase.com/releases/6.5.1
ARG CB_PACKAGE=couchbase-server-enterprise_6.5.1-ubuntu16.04_amd64.deb
ARG CB_SHA256=80427193137e5cb5a4795b2675b1c450c1af8cf1a5c634d917f6c416f2047e66

ENV PATH=$PATH:/opt/couchbase/bin:/opt/couchbase/bin/tools:/opt/couchbase/bin/install

RUN groupadd -g 1000 couchbase && useradd couchbase -u 1000 -g couchbase -M

SHELL ["/bin/bash", "-o", "pipefail", "-c"]
RUN export INSTALL_DONT_START_SERVER=1 && \
    wget -N --no-verbose $CB_RELEASE_URL/$CB_PACKAGE && \
    echo "$CB_SHA256  $CB_PACKAGE" | sha256sum -c - && \
    dpkg -i ./$CB_PACKAGE && rm -f ./$CB_PACKAGE
COPY scripts/run /etc/service/couchbase-server/run
RUN chown -R couchbase:couchbase /etc/service

COPY scripts/dummy.sh /usr/local/bin/
RUN ln -s dummy.sh /usr/local/bin/iptables-save && \
    ln -s dummy.sh /usr/local/bin/lvdisplay && \
    ln -s dummy.sh /usr/local/bin/vgdisplay && \
    ln -s dummy.sh /usr/local/bin/pvdisplay

RUN chrpath -r "\$ORIGIN/../lib" /opt/couchbase/bin/curl

COPY scripts/entrypoint.sh /
ENTRYPOINT ["/entrypoint.sh"]
USER nobody
CMD ["couchbase-server"]

EXPOSE 8091 8092 8093 8094 8095 8096 11207 11210 11211 18091 18092 18093 18094 18095 18096
VOLUME /opt/couchbase/var
```

```
candidate@cli:~$ kubectl config use-context KSSC00301
Switched to context "KSSC00301".
candidate@cli:~$ vim KSSC00301/Dockerfile
candidate@cli:~$ vim KSSC00301/deployment.yaml
```

```
        securityContext:
          {'capabilities': {'add': ['NET_BIND_SERVICE'], 'drop': ['all']}, 'privileged': F
alse, 'readOnlyRootFilesystem': True, 'runAsUser': 65535}
        resources:
          limits:
            cpu: 2
            memory: 1024Mi
          requests:
            cpu: 1
            memory: 512Mi
      volumes:
        - name: database-storage
```

On the Cluster worker node, enforce the prepared AppArmor profile

1.

#include

2.

profile nginx-deny flags=(attach_disconnected) {

3.

#include

4.

file,

5.

Deny all file writes.

6.

deny /** w,

7.

}

8.

EOF\\'

Edit the prepared manifest file to include the AppArmor profile.

1.

apiVersion: v1

2.

kind: Pod

3.

metadata:

4.

name: apparmor-pod

5.

spec:

6.

containers:

7.

- name: apparmor-pod

8.

image: nginx

Finally, apply the manifests files and create the Pod specified on it.

Verify: Try to make a file inside the directory which is restricted.

A. See explanation below.

B. PlaceHolder

Correct Answer: A

QUESTION 5

Context:

Cluster: prod

Master node: master1

Worker node: worker1

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

[desk@cli] $ kubectl config use-context prod

Task:

Analyse and edit the given Dockerfile (based on the ubuntu:18:04 image)

/home/cert_masters/Dockerfile fixing two instructions present in the file being prominent security/best-practice issues.

Analyse and edit the given manifest file

/home/cert_masters/mydeployment.yaml fixing two fields present in the file being prominent security/best-practice issues.

Note: Don\\'t add or remove configuration settings; only modify the existing configuration settings, so that two configuration settings each are no longer security/best-practice concerns.

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

A. See the explanation below

B. PlaceHolder

Correct Answer: A

1. For Dockerfile: Fix the image version and user name in Dockerfile2. For mydeployment.yaml : Fix security contexts

Explanation[desk@cli] $ vim /home/cert_masters/Dockerfile FROM ubuntu:latest # Remove this FROM ubuntu:18.04 # Add this USER root # Remove this USER nobody # Add this RUN apt get install -y lsof=4.72 wget=1.17.1 nginx=4.2 ENV ENVIRONMENT=testing USER root # Remove this USER nobody # Add this CMD ["nginx -d"]

```
FROM ubuntu:latest  # Remove this
FROM ubuntu:18.04   # Add this
USER root           # Remove this
USER nobody         # Add this
RUN apt get install -y lsof=4.72 wget=1.17.1 nginx=4.2
ENV  ENVIRONMENT=testing
USER root           # Remove this
USER nobody         # Add this
CMD ["nginx -d"]
```

Text

[desk@cli] $ vim /home/cert_masters/mydeployment.yaml

apiVersion: apps/v1

kind: Deployment

metadata:

creationTimestamp: null

labels:

app: kafka

name: kafka

spec:

replicas: 1

selector:

matchLabels:

app: kafka

strategy: {}

template:

metadata:

creationTimestamp: null

labels:

app: kafka

spec:

containers:

-image: bitnami/kafka

name: kafka

volumeMounts:

-

name: kafka-vol

mountPath: /var/lib/kafka

securityContext:

{"capabilities":{"add":["NET_ADMIN"],"drop":["all"]},"privileged":

True,"readOnlyRootFilesystem": False, "runAsUser": 65535} # Delete This
{"capabilities":{"add":["NET_ADMIN"],"drop":["all"]},"privileged":

False,"readOnlyRootFilesystem": True, "runAsUser": 65535} # Add This resources: {}

volumes:

-

name: kafka-vol

emptyDir: {}

status: {}

Pictorial View:[desk@cli] $ vim /home/cert_masters/mydeployment.yaml

```
apiVersion: apps/v1
kind: Deployment
metadata:
  creationTimestamp: null
  labels:
    app: kafka
  name: kafka
spec:
  replicas: 1
  selector:
    matchLabels:
      app: kafka
  strategy: {}
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: kafka
    spec:
      containers:
      - image: bitnami/kafka
        name: kafka
        volumeMounts:
          - name: kafka-vol
            mountPath: /var/lib/kafka
        securityContext:
          {"capabilities":{"add":["NET_ADMIN"],"drop":["all"]},"privileged": True,"readOnlyRootFilesystem": False, "runAsUser": 65535} # Delete This
          {"capabilities":{"add":["NET_ADMIN"],"drop":["all"]},"privileged": False,"readOnlyRootFilesystem": True, "runAsUser": 65535} # Add This
        resources: {}
      volumes:
        - name: kafka-vol
          emptyDir: {}
status: {}
```

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