

⇒Vendor: Linux Foundation

⇒Exam Code: CKAD

Exam Name: Linux Foundation Certified Kubernetes Application Developer Exam

New Updated Questions from Exam4free (Updated in Jan, 2023)

Visit Exam4free and Download Full Version CKAD Exam Dumps

Linux Foundation

NEW QUESTION 13



Context

It is always useful to look at the resources your applications are consuming in a cluster.

Task

* From the pods running in namespace cpu-stress, write the name only of the pod that is consuming the most CPU to file /opt/KDOBG030l/pod.txt, which has already been created.

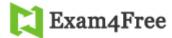
Answer:

Explanation:

See the solution below.

Explanation

Solution:



NEW QUESTION 14

Context



Context

Developers occasionally need to submit pods that run periodically.

Task

Follow the steps below to create a pod that will start at a predetermined time and]which runs to completion only once each time it is started:

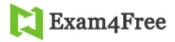
- * Create a YAML formatted Kubernetes manifest /opt/KDPD00301/periodic.yaml that runs the following shell command: date in a single busybox container. The command should run every minute and must complete within 22 seconds or be terminated by Kubernetes. The Cronjob namp and container name should both be hello
- * Create the resource in the above manifest and verify that the job executes successfully at least once

Answer:

Explanation:

Solution:



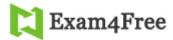






NEW QUESTION 15

Exhibit:





Task

You have rolled out a new pod to your infrastructure and now you need to allow it to communicate with the web and storage pods but nothing else. Given the running pod kdsn00201 -newpod edit it to use a network policy that will allow it to send and receive traffic only to and from the web and storage pods.

All work on this item should be conducted in the kdsn00201 namespace.

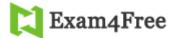


All required NetworkPolicy resources are already created and ready for use as appropriate. You should not create, modify or delete any network policies whilst completing this item.

A. Pending Answer: A

NEW QUESTION 16

Exhibit:





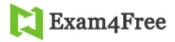
Context

You are tasked to create a secret and consume the secret in a pod using environment variables as follow: Task

- * Create a secret named another-secret with a key/value pair; key1/value4
- * Start an nginx pod named nginx-secret using container image nginx, and add an environment variable exposing the value of the secret key key 1, using COOL_VARIABLE as the name for the environment variable inside the pod

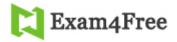
A. Solution:

```
student@node-1:~$ kubectl create secret generic some-secret --from-literal=key1=value4
secret/some-secret created
student@node-1:~$ kubectl get secret
NAME TYPE
default-token-4kvr5 kubernetes.io/service-account-token 3 2d11h
some-secret Opaque 1 5s
student@node-1:~$ kubectl run nginx-secret --image=nginx --dry-run=client -o yaml > nginx_secret
.yml
student@node-1:~$ vim nginx_secret.yml
```











B. Solution:

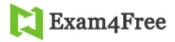
```
student@node-1:~$ kubectl create secret generic some-secret --from-literal=key1=value4
secret/some-secret created
student@node-1:~$ kubectl get secret

NAME

TYPE

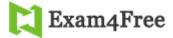
default-token-4kvr5 kubernetes.io/service-accounter-token 3 2d11h
some-secret Opaque

1 5s
student@node-1:~$ kubectl run nginx-secret --image=nginx --dry-run=client -o yaml > nginx_secret
.yml
student@node-1:~$ vim nginx_secret.yml
```





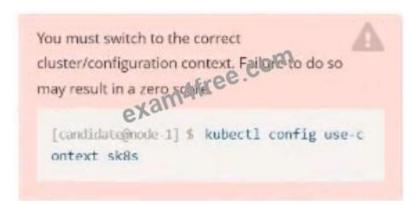






Answer: A

NEW QUESTION 17



Task:

1) Fix any API depreciation issues in the manifest file -/credible-mite/www.yaml so that this application can be deployed on cluster K8s.

```
The application was developed for Rubemetes v1.15 : 
The cluster k85 runs Rubemetes v1.24 :
```

2) Deploy the application specified in the updated manifest file -/credible-mite/www.yaml in namespace cobra See the solution below.

Answer:

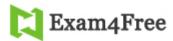
Explanation:

Explanation

Solution:

```
candidate@node-1:~S kubectl config use-context k8s
Switched to context "k8s".
candidate@node-1:~S vim -/credible-mite/www.yaml
```

Text Description automatically generated



```
File Edit View Terminal Tabs Help
apiVersion: apps/vl
kind: Deployment
metadata:
 name: www-deployment
 namespace: cobra
        ontainers:
- name: nginx
image: "nginx:stable" exam4free.com
volumeHounts:
- containerPort: 80
volumeHounts:
- name: nginx
spec:
  replicas: 3
  selector:
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:

    mountPath: /var/log/nginx

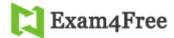
               name: logs
           env:
             - name: NGINX ENTRYPOINT QUIET LOGS
               value:
      volumes:
         - name: logs
           emptyDir: ()
```

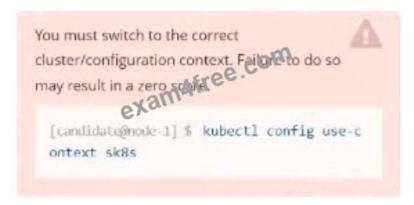
Text Description automatically generated

```
deployment.apps/expose created
candidate@node-1:-5 kubectl get pods
                                          -n ckad00014
                             READY
                                    STATUS
expase-85dd99d4d9-25675
                             0/1
                                     ContainerCreating
expose-85dd99d4d9-4fhcc
                             8/1
                                     ContainerCreating
                                                           Afree.com
expose-85dd99d4d9-fld7j
                                     ContainerCreating
                             9/1
                                                                         65
expose-85dd99d4d9-tt6rm
                                     ContainerCreating
                             0/1
expose-85dd99d4d9-vjd8b
                                     ContainerCreating
                             8/1
expose-85dd99d4d9-vtzpq
                            8/1
                                     ContainerCreating
candidate@node-1:-$ kubectl get deploy -n ckad00014
NAME READY UP-TO-DATE AVAILABLE AGE
        6/6
                                               15s
expose
candidate@node-1:-$ kubectl config use-context k8s
Switched to context "kBs".
candidate@node-1:-$ vim -/credible-mite/www.candidate@node-1:-$ vim -/credible-mite/www.candidate@node-1:-$ kubectl app
                                                  the-mite/www.yaml
                                   e n cobra
deployment.apps/www-deployment
candidate@node-1:-$ kubectl get
                                    READY
                                              STATUS
                                                                    RESTARTS
NAME
                                                                                AGE
ww-deployment-d899c6b49-d6ccg
                                    1/1
                                              Running
ww-deployment-d899c6b49-f796l
                                     0/1
                                              ContainerCreating
www-deployment-d899c6b49-ztfcw 0/1
                                             ContainerCreating
candidate@node-1:-9 kubectl get deploy -n cobra
NAME READY UP-TO-DATE AVAILABLE
ww-deployment
candidate@node-1:-5 kubectl get pods -n cobra
NAME
                                    READY
                                              STATUS
                                                         RESTARTS
                                                                     AGE
www-deployment-d899c6b49-d6ccg
                                              Running
                                                                     145
www-deployment-d899c6b49-f796l
                                    1/1
                                              Running
                                                                      145
                                              Running
                                                         8
                                                                      144
ww-deployment-d899c6b49-ztfcw
                                     1/1
candidate@node-1:-5
```

NEW QUESTION 18

Context



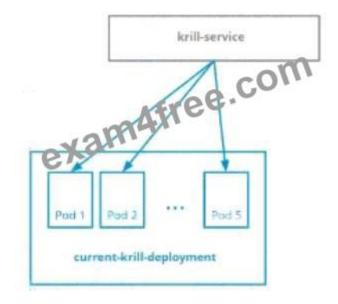


Context

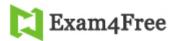
You are asked to prepare a Canary deployment for testing a new application release.

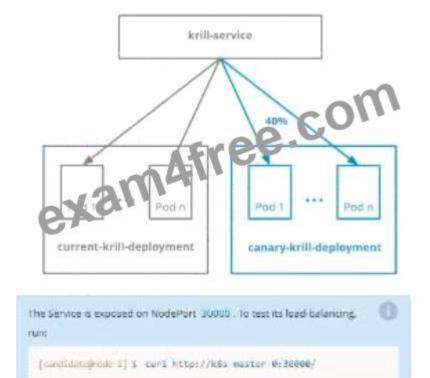
Task:

A Service named krill-Service in the goshark namespace points to 5 pod created by the Deployment named current-krill-deployment



- 1) Create an identical Deployment named canary-kill-deployment, in the same namespace.
- 2) Modify the Deployment so that:
- -A maximum number of 10 pods run in the goshawk namespace.
- -40% of the krill-service 's traffic goes to the canary-krill-deployment pod(s)





Answer:

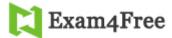
Explanation:

Solution:

```
candidate@node-1:-/humane-storks kubectl scale deploy canary-krill-deployment --replicas 4 -n goshawk deployment.apps/canary-krill-deployment scaled candidate@node-1:-/humane-storks kubectl get deploy -n goshawkree.com

NAME READY UP-TO-DATE AVAILABLE made canary-krill-deployment 4/4 4 46s

current-krill-deployment 5/5 5 5 7h22m candidate@node-1:-/humane-storks wget https://k8s.io/examples/
```



```
File Edit View Terminal Tabs Help
2022-09-24 11:43:52 (15.0 MB/s) - 'quota-pod.yaml' saved [90/90]
candidate@node-1:~/humane-storks vim quota-pod.yaml
candidate@node-1:~/humane-storkS kubectl create -f quota-pod.yaml
                                                                     ree.com
resourcequota/pod-demo created
candidate@node-1:-/humane-storkS kubectl get quota -n go
No resources found in go namespace.
candidate@node-1:-/humane-storks kubectl get quota -n goshawk
NAME AGE REQUEST LIMIT
pod-demo 19s pods: 9/10
candidate@node-1:-/humane-storkS curl http://k8s-masteg
current-krill-deployment-fb7c7995c-kvtjr
app.kubernetes.io/name="current'
app.kubernetes.io/part-of="krill"
pod-template-hash="fb7c7995c"candida
                                                              -stork$ curl http://k8s-master-0:30000/
current-krill-deployment-fb7c799
app.kubernetes.io/name="current
app.kubernetes.io/part-of="krill"
pod-template-hash="fb7c7995c"candidate@node-1:-/humane-stork$ curl http://k8s-master-0:30000/
canary-krill-deployment-5f78fd4786-dfk7l
app.kubernetes.io/name="canary
app.kubernetes.io/part-of="krill"
pod-template-hash="5f78fd4786"candidate@node-l:-/humane-stork$ curl http://k8s-master-0:30000/
canary-krill-deployment-5f78fd4786-z5zrt
app.kubernetes.lo/name="canary
app.kubernetes.io/part-of="krill"
pod-template-hash="5f78fd4786"candidate@node-1:~/humane-stork$ curl http://k8s-master-0:30000/
canary-krill-deployment-5f78fd4786-2774b
app.kubernetes.io/name="canary
app.kubernetes.io/part-of="krill"
pod-template-hash="5f78fd4786"candidate@node-1:-/humane-stork$
```

NEW QUESTION 19

Exhibit:



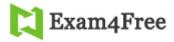
Context

Developers occasionally need to submit pods that run periodically.

Task

Follow the steps below to create a pod that will start at a predetermined time and]which runs to completion only once each time it is started:

- * Create a YAML formatted Kubernetes manifest /opt/KDPD00301/periodic.yaml that runs the following shell command: date in a single busybox container. The command should run every minute and must complete within 22 seconds or be terminated by Kubernetes. The Cronjob namp and container name should both be hello
- * Create the resource in the above manifest and verify that the job executes successfully at least once A. Solution:

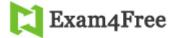


```
student@node-1:~$ kubectl create cronjob hello reice busybox --schedule "* * * * * " --dry-run= client -o yml > /opt/KDPD00301/periodic.yam cerror: unable to match a printer suitable for the output format "yml", allowed formats are: go-template, go-template-file, json, jsonpath-as-json, jsonpath-file, name, template, template file, yaml student@node-1:~$ kubectl create cronjob hello --image=busybox --schedule "* * * * * " --dry-run= client -o yaml > /opt/KDPD00301/periodic.yaml student@node-1:~$ vim /opt/KDPD00301/periodic.yaml
```

```
apiVersion: batch/vlbeta1
kind: CronJob
metedata:
    name: hello
spec:
    jobTemplate:
    name: hello
spec:
    containers:
    containers:
```

```
Readme
                 >_ Web Terminal
                                                                                THE LINUX FOUNDATION
student@node-1:~$ kubectl create cronjob hello --image=busybo fishedule "* * * * * " --dry-run= client -o yml > /opt/KDPD00301/periodic.vaml
error: unable to match a printer suitable for the emplate, go-template-file, json, jsonpath, jsonpath, jsonpath-file, name, template, templatefile, yaml student@node-1:~S kubastl
,yaml
student@node-1:~$ kubectl create cryptophello --image=busybox --schedule "* * * * * " --dry-run=
client -o yaml > /opt/KDPD00301 cryptodic.yaml
student@node-1:~$ vim /opt/KDPD00301/periodic.yaml
student@node-1:~$ kubectl create -f /opt/KDPD00301/periodic.yaml
cronjob.batch/hello created
student@node-1:~$ kubectl get cronjob
NAME
          SCHEDULE
                            SUSPEND
                                           ACTIVE
                                                     LAST SCHEDULE
                                                                            AGE
           */1 * * * *
hello
                             False
                                           0
                                                                             63
                                                       <none>
student@node-1:~$
```

B. Solution:





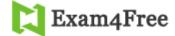


Answer: A

NEW QUESTION 20

Context





Exam4free Guarantee All Exams 100% Pass One Time!

Context

A pod is running on the cluster but it is not responding.

Task

The desired behavior is to have Kubemetes restart the pod when an endpoint returns an HTTP 500 on the /healthz endpoint. The service, probe-pod, should never send traffic to the pod while it is failing. Please complete the following:

- * The application has an endpoint, /started, that will indicate if it can accept traffic by returning an HTTP 200. If the endpoint returns an HTTP 500, the application has not yet finished initialization.
- * The application has another endpoint /healthz that will indicate if the application is still working as expected by returning an HTTP 200. If the endpoint returns an HTTP 500 the application is no longer responsive.
- * Configure the probe-pod pod provided to use these endpoints
- * The probes should use port 8080

Α	n	51	۸	<i>i</i> e	r.
\boldsymbol{r}			٠,	, –	

Explanation:
Solution:
apiVersion: v1
kind: Pod
metadata:
labels:

test: liveness

name: liveness-exec

spec:

containers:

- name: liveness

image: k8s.gcr.io/busybox

args:
-/bin/sh

- / 10111/5

- -C

- touch /tmp/healthy; sleep 30; rm -rf /tmp/healthy; sleep 600

livenessProbe:

exec:

command:

- cat

- /tmp/healthy

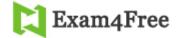
initialDelaySeconds: 5

periodSeconds: 5

In the configuration file, you can see that the Pod has a single Container. The periodSeconds field specifies that the kubelet should perform a liveness probe every 5 seconds. The initialDelaySeconds field tells the kubelet that it should wait 5 seconds before performing the first probe. To perform a probe, the kubelet executes the command cat /tmp/healthy in the target container. If the command succeeds, it returns 0, and the kubelet considers the container to be alive and healthy. If the command returns a non-zero value, the kubelet kills the container and restarts it.

When the container starts, it executes this command:

/bin/sh -c "touch /tmp/healthy; sleep 30; rm -rf /tmp/healthy; sleep 600" For the first 30 seconds of the container's life, there is a /tmp/healthy file. So during the first 30 seconds, the command cat /tmp/healthy



Exam4free Guarantee All Exams 100% Pass One Time!

returns a success code. After 30 seconds, cat /tmp/healthy returns a failure code.

Create the Pod:

kubectl apply -f https://k8s.io/examples/pods/probe/exec-liveness.yaml

Within 30 seconds, view the Pod events:

kubectl describe pod liveness-exec

The output indicates that no liveness probes have failed yet:

FirstSeen LastSeen Count From SubobjectPath Type Reason Message

24s 24s 1 {default-scheduler } Normal Scheduled Successfully assigned liveness-exec to worker0

23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Pulling pulling image "k8s.gcr.io/busybox"

23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Pulled Successfully pulled image "k8s.gcr.io/busybox"

23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Created Created container with docker id 86849c15382e; Security:[seccomp=unconfined]

23s 23s 1 {kubelet worker0} spec.containers{liveness} Normal Started Started container with docker id 86849c15382e After 35 seconds, view the Pod events again:

kubectl describe pod liveness-exec

At the bottom of the output, there are messages indicating that the liveness probes have failed, and the containers have been killed and recreated.

FirstSeen LastSeen Count From SubobjectPath Type Reason Message

37s 37s 1 {default-scheduler } Normal Scheduled Successfully assigned liveness-exec to worker0

36s 36s 1 (kubelet worker0) spec.containers(liveness) Normal Pulling pulling image "k8s.gcr.io/busybox"

36s 36s 1 {kubelet worker0} spec.containers{liveness} Normal Pulled Successfully pulled image "k8s.gcr.io/busybox"

36s 36s 1 {kubelet worker0} spec.containers{liveness} Normal Created Created container with docker id 86849c15382e; Security:[seccomp=unconfined]

36s 36s 1 {kubelet worker0} spec.containers{liveness} Normal Started Started container with docker id 86849c15382e

2s 2s 1 {kubelet worker0} spec.containers{liveness} Warning Unhealthy Liveness probe failed: cat: can't open '/tmp/healthy': No such file or directory Wait another 30 seconds, and verify that the container has been restarted:

kubectl get pod liveness-exec

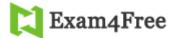
The output shows that RESTARTS has been incremented:

NAME READY STATUS RESTARTS AGE

liveness-exec 1/1 Running 1 1m

NEW QUESTION 21

Exhibit:





Context

You are tasked to create a ConfigMap and consume the ConfigMap in a pod using a volume mount. Task

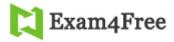
Please complete the following:

- * Create a ConfigMap named another-config containing the key/value pair: key4/value3
- * start a pod named nginx-configmap containing a single container using the nginx image, and mount the key you just created into the pod under directory /also/a/path

A. Solution:

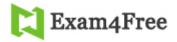
```
student@node-1:~$ kubectl create configmap another-config --from-literal=key4=value3
configmap/another-config created
student@node-1:~$ kubectl get configmap

NAME DATA AGE
another-config 1 5s
student@node-1:~$ kubectl run nginx-configmap Allmage=nginx --dry-run=client -o yaml > ngin_configmap.yml
student@node-1:~$ vim ngin_configmap.yml ^C
student@node-1:~$ mv ngin_configmap.yml nginx_configmap.yml
student@node-1:~$ vim nginx_co
```







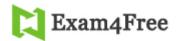


```
student@node-1:~$ kubectl create configmap another-config --from-literal=key4=value3
configmap/another-config created
student@node-1:~$ kubectl get configmap

NAME DATA AGE
another-config 1 5s
student@node-1:~$ kubectl run nginx-configmap.yml aging=nginx --dry-run=client -o yaml > ngin_configmap.yml
student@node-1:~$ vim ngin_configmap.yml ^C
student@node-1:~$ mv ngin_configmap.yml nginx_configmap.yml
student@node-1:~$ vim nginx_configmap.yml
student@node-1:~$ vim nginx_configmap.yml
```

Readme >_ Web Terminal THE LINUX FOUNDATION student@node-1:~\$ kubectl create f nginx configmap.yml Error: must specify one of -f and -k error: unknown command "f nginx configmap.yml" See 'kubectl create -h' for help and examples student@node-1:~\$ kubectl create -f nginx_configmap.yml error: error validating "nginx configmap.yml": error ta: ValidationError (Pod.spec.c ra. 1. Container; if you choose to ignor ontainers[1]): unknown field "mountPath" in ick e these errors, turn validation off with student@node-1:~\$ vim nginx_configmap. student@node-1:~\$ kubectl creaty of figmap.yml pod/nginx-configmap created student@node-1:~\$ kube NAME REAL RESTARTS AGE liveness-http 1/1 Running 0 6h44m 1/1 nginx-101 Running 0 6h45m nginx-configmap 0/1 ContainerCreating 0 53 nginx-secret 5m39s 1/1 Running 0 poller 1/1 Running 0 6h44m student@node-1:~\$ kubectl get pods AGE READY STATUS RESTARTS 1/1 liveness-http Running 0 6h44m 1/1 nginx-101 Running 0 6h45m 1/1 nginx-configmap Running 0 83 1/1 nginx-secret Running 0 5m42s 6h45m poller 1/1 Running 0 student@node-1:~\$ 1

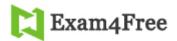
B. Solution:



```
student@node-1:~$ kubectl create configmap another-config --from-literal=key4=value3
configmap/another-config created
student@node-1:~$ kubectl get configmap

NAME DATA AGE
another-config 1 5s
student@node-1:~$ kubectl run nginx-configmap Allmage=nginx --dry-run=client -o yaml > ngin_configmap.yml
student@node-1:~$ vim ngin_configmap.yml ^C
student@node-1:~$ mv ngin_configmap.yml nginx_configmap.yml
student@node-1:~$ vim nginx_configmap.yml nginx_configmap.yml
```

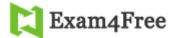






```
student@node-1:~$ kubectl create configmap another-config --from-literal=key4=value3
configmap/another-config created
student@node-1:~$ kubectl get configmap

NAME DATA AGE
another-config 1 5s
student@node-1:~$ kubectl run nginx-configmap.yml
igmap.yml
student@node-1:~$ vim ngin_configmap.yml ^C
student@node-1:~$ mv ngin_configmap.yml nginx_configmap.yml
student@node-1:~$ vim nginx_configmap.yml
student@node-1:~$ vim nginx_configmap.yml
student@node-1:~$
```





Answer: A

NEW QUESTION 22

Exhibit:



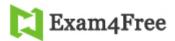
Context

Your application's namespace requires a specific service account to be used.

Task

Update the app-a deployment in the production namespace to run as the restricted service service account. The service account has already been created.

A. Solution:



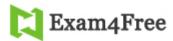


B. Solution:



Answer: B

NEW QUESTION 23

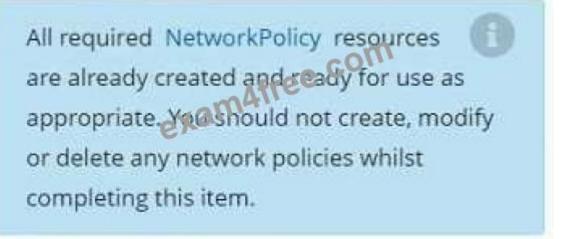




Task

You have rolled out a new pod to your infrastructure and now you need to allow it to communicate with the web and storage pods but nothing else. Given the running pod kdsn00201 -newpod edit it to use a network policy that will allow it to send and receive traffic only to and from the web and storage pods.

All work on this item should be conducted in the kdsn00201 namespace.



Answer:

Explanation:

See the solution below.

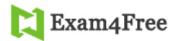
Explanation

apiVersion: networking.k8s.io/v1

kind: NetworkPolicy

metadata:

name: internal-policy



namespace: default

spec:

podSelector:
matchLabels:
name: internal
policyTypes:

- Egress

- Ingress

ingress:

- {}

egress:

- to:

podSelector:

matchLabels:

name: mysql

ports:

- protocol: TCP

port: 3306

- to:

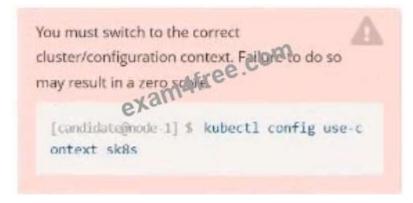
podSelector: matchLabels: name: payroll

ports:

protocol: TCP port: 8080ports:port: 53

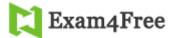
protocol: UDP - port: 53 protocol: TCP

NEW QUESTION 24



Task:

Create a Deployment named expose in the existing ckad00014 namespace running 6 replicas of a Pod. Specify a single container using the ifccncf/nginx: 1.13.7 image Add an environment variable named NGINX_PORT with the value 8001 to the container then expose port



8001

Answer:

Explanation:

See the solution below.

Explanation

Solution:

```
candidate@node-1:-$ kubectl config use-context k8s

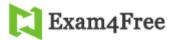
Switched to context "k8s".

candidate@node-1:-$ kubectl create deploy expose -n ckad00014 --image lfccncf/nginx:1.13.7 --dry-run=client -o yaml> dep.yaml
candidate@node-1:-$
```

Text Description automatically generated

```
File Edit View Terminal Tabs Help
apiVersion: apps/vl
kind: Deployment
etadata
 creationTimestamp: null
                            exam4free.com
 labels:
  app: expose
 name: expose
 namespace: ckad00014
spec
 replicas: 6
 selector:
   matchLabels:
    app: expose
 strategy: ()
 template:
   metadata:
     creationTimestamp: null
     labels:
      app: expose
   spec:
     containers:
   image: lfccncf/nginx:1.13.7
       name: nginx
       ports:
            containerPort: 8901
          - name: NGINX PORT
            value: "8001"
```

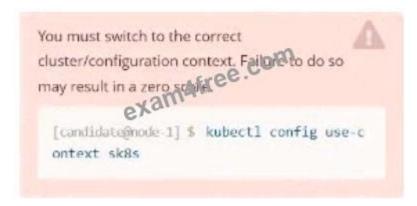
Text Description automatically generated



```
candidate@node-1:-S kubectl config use-context k8s
   Switched to context "k8s"
   candidate@node-1:-5 kubectl create deploy expose -n ckad00014 --image lfccncf/nginx:1.13.7 --dry-run=client -o yaml> d
   candidateanode-1:-5
candidate@node-1:-$ candidate@node-1:-$ vim dep.yam examidate@node-1:-$ kubectl create -f dep.yam! candidate@node-1:-$ kubectl create -f dep.yam! candidate@node-1:-$ kubectl get iAME ixpose-85dd99d3-40 xpose-85dd99d3-40 xpose-85
    candidate@node-1:-$
   expose-85dd99d4d9-4fhcc
                                                                                                         0/1
                                                                                                                                        ContainerCreating
                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                        65
   expose-85dd99d4d9-fld7]
                                                                                                                                       ContainerCreating
                                                                                                         8/1
                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                        65
    expose-85dd99d4d9-tt6rm
                                                                                                         9/1
                                                                                                                                        ContainerCreating
                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                        65
    expose-85dd99d4d9-vjd8b
                                                                                                         0/1
                                                                                                                                        ContainerCreating
     xpose-85dd99d4d9-vtzpq
                                                                                                                                        ContainerCreating
                                                                                                         0/1
   candidate@node-1:~$ kubectl get deploy -n ckad00014
NAME READY UP-TO-DATE AVAILABLE AGE
   expose 6/6
    andidate@node-1:-5
```

NEW QUESTION 25

Context



Task:

1) Fix any API depreciation issues in the manifest file -/credible-mite/www.yaml so that this application can be deployed on cluster K8s.

```
The application was developed for Kubernetes v1.15.

The duster k8s runs Kubernetes v1.24.
```

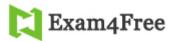
2) Deploy the application specified in the updated manifest file -/credible-mite/www.yaml in namespace cobra

Answer:

Explanation:

Solution:

```
candidate@node-1:~S kubectl config use-context k8s
Switched to context "k8s".
candidate@node-1:~S vim -/credible-mite/www.yaml
```

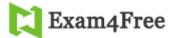


```
File Edit View Terminal Tabs Help
apiVersion: apps/vl
kind: Deployment
metadata:
 name: www-deployment
 namespace: cobra
       ontainers:
- name: nginx
image: "nginx:stable" exam4free.com
ports:
- containerPort: 80
volumeHounts:
spec:
 replicas: 3
 selector:
  template:
    metadata:
      labels:
       app: nginx
    spec:
      containers:
            - mountPath: /var/log/nginx
              name: logs
          env:
            - name: NGINX ENTRYPOINT QUIET LOGS
              value:
      volumes:
        - name: logs
          emptyDir: ()
```

```
deployment.apps/expose created
candidate@node-1:-$ kubectl get pods -n ckad00014
NAME STATUS
                                                      RESTARTS
                                                                 AGE
                          9/1
expase-85dd99d4d9-25675
                                  ContainerCreating
                                                      8
                                                                 65
expose-85dd99d4d9-4fhcc
                          8/1
                                  ContainerCreating
                                                      A
                                                                  65
                                                      4free.com
expose-85dd99d4d9-fld7j
                          0/1
                                  ContainerCreating
                                                                  65
expose-85dd99d4d9-tt6rm
                          0/1
                                  ContainerCreating
expose-85dd99d4d9-vjd8b
                          8/1
                                  ContainerCreating
expose-85dd99d4d9-vtzpq
                          0/1
                                  ContainerCreating
candidate@node-1:-$ kubectl get deploy -n ckad00014
NAME READY UP-TO-DATE AVAILABLE AGE
       6/6
expose
candidate@node-1:-5 kubectl config use-context k8s
Switched to context "k8s".
                                              ble-mite/www.yaml
                                 READY
                                         STATUS
                                                             RESTARTS
                                                                         AGE
                                         Running
www-deployment-d899c6b49-d6ccg
www-deployment-d899c6b49-f796l
                                 0/1
                                         ContainerCreating
www-deployment-d899c6b49-ztfcw 0/1
                                        ContainerCreating
                                                                         65
candidate@node-1:-S kubectl get deploy -n cobra
NAME READY UP-TO-DATE AVAILABLE
                                                  AGE
               3/3
www-deployment
candidate@node-1:-$ kubectl get pods -n cobra
NAME
                                 READY
                                         STATUS
                                                   RESTARTS
                                                              AGE
ww-deployment-d899c6b49-d6ccg
                                 1/1
                                         Running
                                                               145
ww-deployment-d899c6b49-f796l
                                         Running
                                                               145
 ww-deployment-d899c6b49-ztfcw
                                         Running
                                                               145
candidate@node-1:-5
```

NEW QUESTION 26

Context





A web application requires a specific version of redis to be used as a cache.

Task

Create a pod with the following characteristics, and leave it running when complete:

* The pod must run in the web namespace.

The namespace has already been created

- * The name of the pod should be cache
- * Use the Ifccncf/redis image with the 3.2 tag
- * Expose port 6379

Answer:

Explanation:

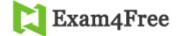
Solution:



NEW QUESTION 27

Context





Exam4free Guarantee All Exams 100% Pass One Time!

Task

A deployment is falling on the cluster due to an incorrect image being specified. Locate the deployment, and fix the problem.

Answer:

Explanation:

create deploy hello-deploy --image=nginx --dry-run=client -o yaml > hello-deploy.yaml Update deployment image to nginx:1.17.4: kubectl set image deploy/hello-deploy nginx=nginx:1.17.4

NEW QUESTION 28

.....