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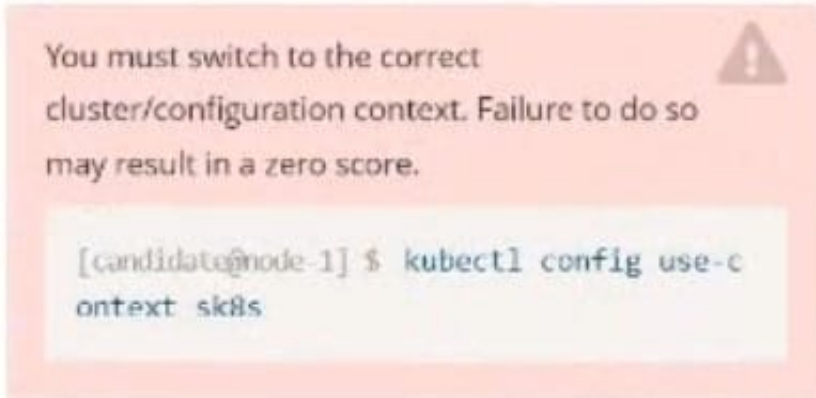**100% Money Back Assurance**

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QUESTION 1

CORRECT TEXT

You must switch to the correct cluster/configuration context. Failure to do so may result in a zero score.

```
[candidate@node-1] $ kubectl config use-c
ontext sk8s
```

Task:

The pod for the Deployment named nosql in the crayfish namespace fails to start because its container runs out of resources.

Update the nosql Deployment so that the Pod:

- The nosql Deployment's manifest file can be found at ~/chief-cardinal/nosql.yaml .

A. Please check explanations

B. Place Holder

Correct Answer: A

```
candidate@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
candidate@node-1:~$ vim ~/chief-cardinal/nosql.yaml
```

File Edit View Terminal Tabs Help

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nosql
  namespace: crayfish
  labels:
    app.kubernetes.io/name: nosql
    app.kubernetes.io/component: backend
spec:
  selector:
    matchLabels:
      app.kubernetes.io/name: nosql
      app.kubernetes.io/component: backend
  replicas: 1
  template:
    metadata:
      labels:
        app.kubernetes.io/name: nosql
        app.kubernetes.io/component: backend
    spec:
      containers:
        - name: mongo
          image: mongo:4.2
          args:
            - --bind_ip
            - 0.0.0.0
          ports:
            - containerPort: 27017
```

-- INSERT --   12,1   All

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```
        - name: mongo
          image: mongo:4.2
          args:
            - --bind_ip
            - 0.0.0.0
          ports:
            - containerPort: 27017
          resources:
            requests:
                memory: "160Mi"
            limits:
                memory: "320Mi"
```

:wq

```
File Edit View Terminal Tabs Help
    To: <any> (traffic not restricted by destination)
  Policy Types: Ingress, Egress


Name:          default-deny
Namespace:     ckad00018
Created on:    2022-09-24 04:27:37 +0000 UTC
Labels:        <none>
Annotations:   <none>
Spec:
  PodSelector:     <none> (Allowing the specific traffic to all pods in this namespace)
  Allowing ingress traffic:
    <none> (Selected pods are isolated for ingress connectivity)
  Not affecting egress traffic
  Policy Types: Ingress
candidate@node-1:~$ kubectl  label  pod ckad00018-newpod -n ckad00018    web-access=true
pod/ckad00018-newpod labeled
candidate@node-1:~$ kubectl  label  pod ckad00018-newpod -n ckad00018    db-access=true
pod/ckad00018-newpod labeled
candidate@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
candidate@node-1:~$ vim ~/chief-cardinal/nosql.yaml
candidate@node-1:~$ vim ~/chief-cardinal/nosql.yaml
candidate@node-1:~$ kubectl  apply  -f ~/chief-cardinal/nosql.yaml
deployment.apps/nosql configured
candidate@node-1:~$ kubectl  get pods -n crayfish
NAME                      READY    STATUS     RESTARTS    AGE
nosql-74cccf7d64-lkqlg    1/1      Running    0           3m2s
candidate@node-1:~$ kubectl get deploy -n crayfish
NAME     READY   UP-TO-DATE   AVAILABLE   AGE
nosql    1/1     1            1           7h16m
candidate@node-1:~$
```

QUESTION 2

CORRECT TEXT

Set configuration context:

```
[student@node-1] $ | kubectl config u
se-context nk8s
```

Task

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

A. Please check explanations
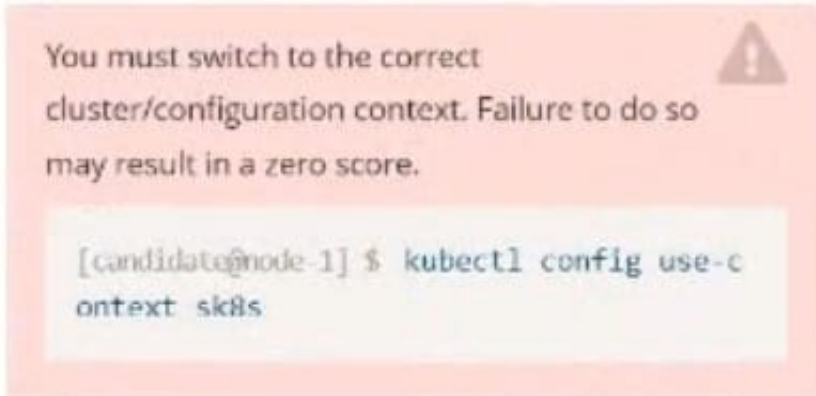
B. Place Holder

Correct Answer: A

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

QUESTION 3

CORRECT TEXT

You must switch to the correct cluster/configuration context. Failure to do so may result in a zero score.

[candidate@node-1] $ kubectl config use-c
ontext sk8s

Task:

Modify the existing Deployment named broker-deployment running in namespace quetzal so that its containers.

The broker-deployment is manifest file can be found at:

~/daring-moccasin/broker-deployment.yaml

A. Please check explanations

B. Place Holder

Correct Answer: A

```
candidate@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
candidate@node-1:~$ vim
```

```
File  Edit  View  Terminal  Tabs  Help
    containers:
     - name: broker
       image: redis:alpine
       ports:
        - containerPort: 6379
       securityContext:
          runAsUser: 30000
          privileged: false



























:wq
```

```
candidate@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
candidate@node-1:~$ vim ~/daring-moccasin/broker-deployment.yaml
candidate@node-1:~$ kubectl  apply  -f ~/daring-moccasin/broker-deployment.yaml
deployment.apps/broker-deployment configured
candidate@node-1:~$ kubectl get pods -n quetzal
NAME                                READY   STATUS    RESTARTS   AGE
broker-deployment-65446d6d94-868p6  1/1     Running   0          30s
broker-deployment-65446d6d94-8dn7l  1/1     Running   0          32s
broker-deployment-65446d6d94-p4h4l  1/1     Running   0          31s
candidate@node-1:~$ kubectl get deploy -n quetzal
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
broker-deployment   3/3     3            3           7h3m
candidate@node-1:~$
```

QUESTION 4

CORRECT TEXT

Set configuration context: ⚠

```
[student@node-1] $ | kubectl
config use-context k8s
```

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:

1.

The pod must run in the web namespace.

2.

The namespace has already been created

3.

The name of the pod should be cache

4.

Use the lfccncf/redis image with the 3.2 tag

5.

Expose port 6379

A. Please check explanations

B. Place Holder

Correct Answer: A


```
student@node-1:~$ kubectl run cache --image=lfccncf/redis:3.2 --port=6379 -n web
pod/cache created
student@node-1:~$ kubectl get pods -n web
NAME      READY   STATUS              RESTARTS   AGE
cache     0/1     ContainerCreating   0          6s
student@node-1:~$ kubectl get pods -n web
NAME      READY   STATUS      RESTARTS   AGE
cache     1/1     Running     0          9s
student@node-1:~$
```

QUESTION 5

CORRECT TEXT

Set configuration context:

```
[student@node-1] $ | kubectl config
use-context k8s
```

Context

You sometimes need to observe a pod\\'s logs, and write those logs to a file for further analysis.

Task

Please complete the following;

1.

Deploy the counter pod to the cluster using the provided YAMLspec file at /opt/KDOB00201/counter.yaml

2.

Retrieve all currently available application logs from the running pod and store them in the file /opt/KDOB0020l/log_Output.txt, which has already been created

A. Please check explanations

B. Place Holder

Correct Answer: A

```
student@node-1:~$ kubectl create -f /opt/KDOB00201/counter.yaml
pod/counter created
student@node-1:~$ kubectl get pods
NAME               READY   STATUS    RESTARTS   AGE
counter            1/1     Running   0          10s
liveness-http      1/1     Running   0          6h45m
nginx-101          1/1     Running   0          6h46m
nginx-configmap    1/1     Running   0          107s
nginx-secret       1/1     Running   0          7m21s
poller             1/1     Running   0          6h46m
student@node-1:~$ kubectl logs counter
1:  2b305101817ae25ca60ae46510fb6d11
2:  3648cf2eae95ab680dba8f195f891af4
3:  65c8bbd4dbf70bf81f2a0984a3a44ede
4:  40d3a9c8e46f5533bb4828fbe5c8d038
5:  390442d2530a90c3602901e3fe999ac8
6:  b71d95187417e139effb33af77681040
7:  66a8e55a6491e756d2d0549ad6ab90a7
8:  ff2b3d583b64125d2f9129c443bb37ff
9:  b6c6a12b6e77944ed8baaaf6c242dae4
10: bfcc9a894a0604fc4b814b37d0a200a4
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$
```

```
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$ cat /opt/KDOB00201/log_output.txt
```

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```
student@node-1:~$ kubectl logs counter  > /opt/KDOB00201/log_output.txt
student@node-1:~$ cat /opt/KDOB00201/log_output.txt
1:  2b305101817ae25ca60ae46510fb6d11
2:  3648cf2eae95ab680dba8f195f891af4
3:  65c8bbd4dbf70bf81f2a0984a3a44ede
4:  40d3a9c8e46f5533bb4828fbe5c8d038
5:  390442d2530a90c3602901e3fe999ac8
6:  b71d95187417e139effb33af77681040
7:  66a8e55a6491e756d2d0549ad6ab90a7
8:  ff2b3d583b64125d2f9129c443bb37ff
9:  b6c6a12b6e77944ed8baaaf6c242dae4
10: bfcc9a894a0604fc4b814b37d0a200a4
11: 5493cd16a1790a5fb9512b0c9d4c5dd1
12: 03f169e93e6143438e6dfe4ecb3cc9ed
13: 764b37fe611373c42d0b47154041f6eb
14: 1a56fbe1896b0ee6394136166281839e
15: ecc492eb17715de090c47345a98d98d3
16: 7974a6bec0fb44b6b8bbfc71aa3fbe74
17: 9ae01bef01748b12cc9f97a5f9f72cd6
18: 23fb22ee34d4272e4c9e005f1774515f
19: ec7e1a5d314da9a0ad45d53be5a7acae
20: 0bccdd8ee02cd42029e8162cd1c1197c
21: d6851ea43546216b95bcb81ced997102
22: 7ed9a38ea8bf0d86206569481442af44
23: 29b8416ddc63dbfcb987ab3c8198e9fe
24: 1f2062001df51a108ab25010f506716f
student@node-1:~$
```

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