

ITDumpsKR



ITDumpsKR 공부가이드로 시험을 준비하면
첫번째 시도에서 패스한다!

ITDumpsKR 덤프의 질문들과 답변들은 100%의 지식 요
점과 적어도 98%의 시험 문제들을 커버하는, 수년 동안 가
장 최근의 시험과 시험 요점들을 정리해두었다!

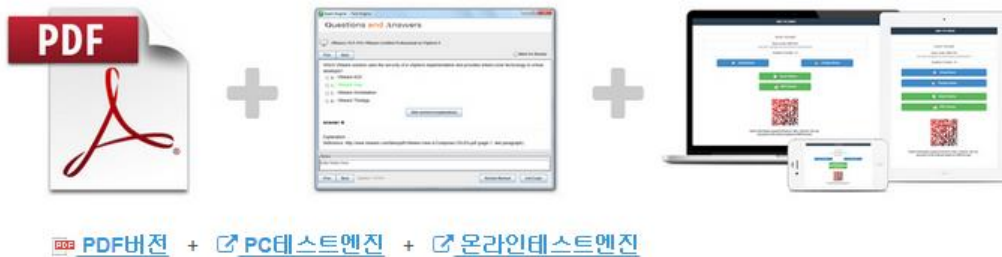
- ✓ITDumpsKR 제품의 가치: IT전문가들이 자신만의 경험과 끊임없
는 노력으로 최고의 학습자료를 작성!
- ✓무료샘플 먼저보기: 구매전 덤프의 일부분 문제인 무료샘플 문제
를 풀어보고 구매할수 있다!
- ✓시험실패시 덤프비용 보상: 시험에서 실패하면 덤프비용을 보상
해드리기에 안심하고 시험준비해도 된다!

인증사선택 ▼

시험선택 ▼

메일주소

 바로 다운로드받기



PDF버전: 편하고 쉽게 공부하기. 출력가능한 PDF. 운영 시스템 플랫폼을 무시한 전자파일형태입니다.

PC테스트엔진: 고객님의 사용에 편리하도록 여러개의 PC에 설치가능합니다.

온라인테스트엔진: 온라인테스트엔진은 WEB브라우저를 기초로 한 소프트웨어이기에 Windows/Mac/Android/iOS등을 지지합
니다.

<http://www.itdumpskr.com>

IT 인증시험 한방에 패스시키는 최신버전 시험대비덤프

Exam : **CKAD**

Title : Linux Foundation Certified
Kubernetes Application
Developer Exam

Vendor : Linux Foundation

Version : DEMO

NO.1 Refer to Exhibit.



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:

- * The pod must run in the web namespace.

The namespace has already been created

- * The name of the pod should be cache

- * Use the lfcncf/redis image with the 3.2 tag

- * Expose port 6379

Answer:

Solution:

A screenshot of a web terminal interface. At the top, there are two tabs: "Readme" and "Web Terminal". To the right of the tabs is the "THE LINUX FOUNDATION" logo. The terminal window shows the following commands and output:

```
student@node-1:~$ kubectl run cache --image=lfcncf/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:~$
```

NO.2 Refer to Exhibit.

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

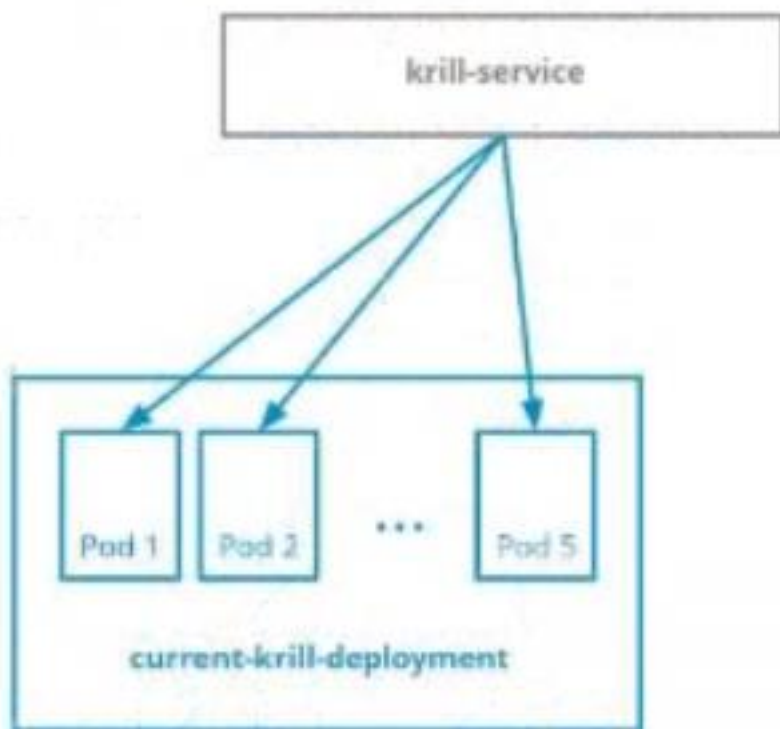
```
[candidate@node-1] $ kubectl config use-context sk8s
```

Context

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

Task:

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

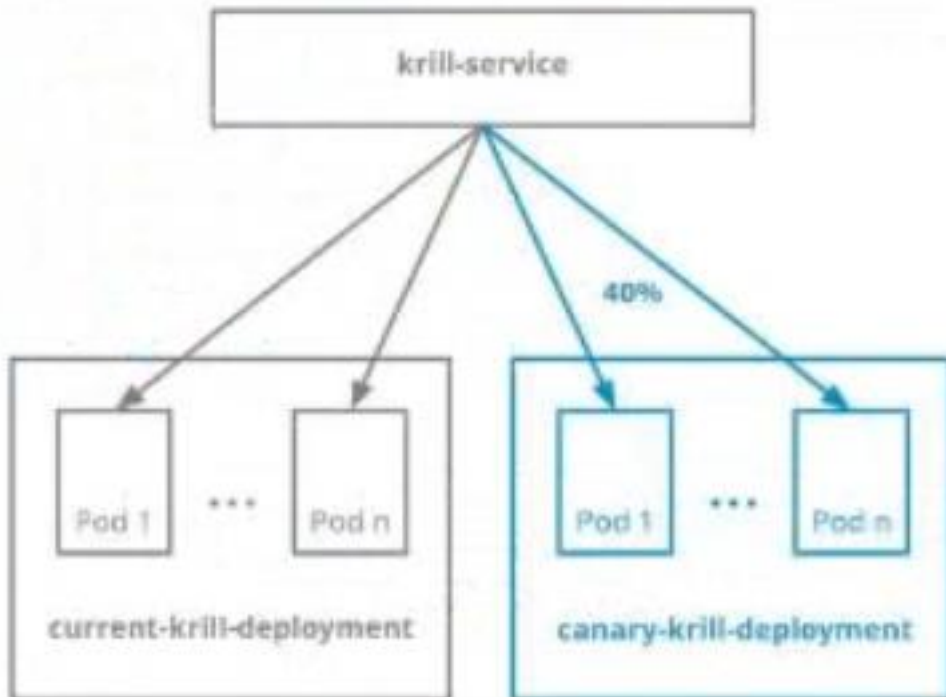


1) Create an identical Deployment named canary-kill-deployment, in the same namespace.

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:

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 goshawk
NAME                READY  UP-TO-DATE  AVAILABLE  AGE
canary-krill-deployment  4/4    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
candidate@node-1:~/humane-storks$ wget https://k8s.io/examples/admin/resource/quota-pod.yaml
--2022-09-24 11:43:51-- https://k8s.io/examples/admin/resource/quota-pod.yaml
Resolving k8s.io (k8s.io)... 34.107.204.206, 2600:1901:0:26f3::
Connecting to k8s.io (k8s.io)[34.107.204.206]:443... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://kubernetes.io/examples/admin/resource/quota-pod.yaml [following]
--2022-09-24 11:43:52-- https://kubernetes.io/examples/admin/resource/quota-pod.yaml
Resolving kubernetes.io (kubernetes.io)... 147.75.40.148
Connecting to kubernetes.io (kubernetes.io)[147.75.40.148]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 90 [application/x-yaml]
Saving to: 'quota-pod.yaml'

quota-pod.yaml          100%[=====] 90 --.-KB/s  in 0s

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
```

```

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-stork$ vim quota-pod.yaml
candidate@node-1:~/humane-stork$ kubectl create -f quota-pod.yaml
resourcequota/pod-demo created
candidate@node-1:~/humane-stork$ kubectl get quota -n go
No resources found in go namespace.
candidate@node-1:~/humane-stork$ kubectl get quota -n goshawk
NAME      AGE      REQUEST      LIMIT
pod-demo  19s     pods: 9/10
candidate@node-1:~/humane-stork$ curl http://k8s-master-0:30000/
current-krill-deployment-fb7c7995c-kvtjr
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/
current-krill-deployment-fb7c7995c-4whfm
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-1:~/humane-stork$ curl http://k8s-master-0:30000/
canary-krill-deployment-5f78fd4786-z5zrt
app.kubernetes.io/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$

```

NO.3 Refer to Exhibit.



Given a container that writes a log file in format A and a container that converts log files from format A to format B, create a deployment that runs both containers such that the log files from the first container are converted by the second container, emitting logs in format B.

Task:

- * Create a deployment named deployment-xyz in the default namespace, that:
 - * Includes a primary lfcncf/busybox:1 container, named logger-dev
 - * includes a sidecar lfcncf/fluentd:v0.12 container, named adapter-zen
 - * Mounts a shared volume /tmp/log on both containers, which does not persist when the pod is deleted
 - * Instructs the logger-dev container to run the command


```
while true; do
echo "i luv cncf" >> /
tmp/log/input.log;
sleep 10;
done
```

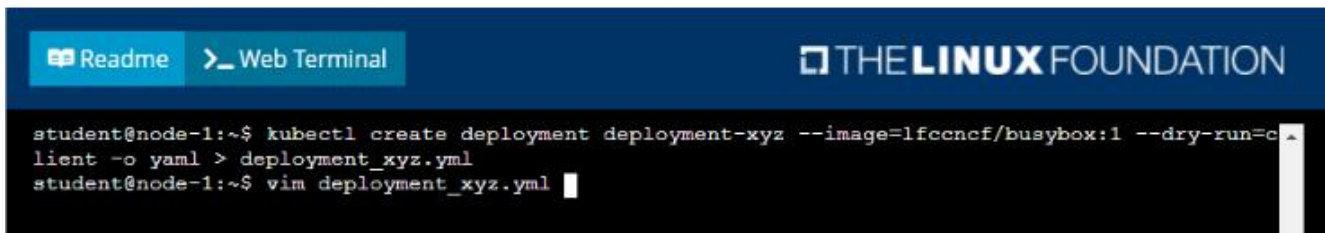
which should output logs to /tmp/log/input.log in plain text format, with example values:

```
i luv cncf
i luv cncf
i luv cncf
```

* The adapter-zen sidecar container should read /tmp/log/input.log and output the data to /tmp/log/output.* in Fluentd JSON format. Note that no knowledge of Fluentd is required to complete this task: all you will need to achieve this is to create the ConfigMap from the spec file provided at /opt/KDMC00102/fluentd-configmap.yaml, and mount that ConfigMap to /fluentd/etc in the adapter-zen sidecar container

Answer:

Solution:



```
student@node-1:~$ kubectl create deployment deployment-xyz --image=lfcncf/busybox:1 --dry-run=c
lient -o yaml > deployment_xyz.yml
student@node-1:~$ vim deployment_xyz.yml
```

The screenshots show a web terminal interface with a dark background and light-colored text. The top bar is blue with the 'THE LINUX FOUNDATION' logo on the right and tabs for 'Readme' and 'Web Terminal' on the left. The terminal displays Kubernetes YAML manifests. The first screenshot shows a full deployment manifest for 'deployment-xyz' with 1 replica of 'busybox'. The second screenshot shows a partial manifest with a volume 'myvol1' and a container 'logger-dev' mounting it to '/tmp/log'.

```
apiVersion: apps/v1
kind: Deployment
metadata:
  creationTimestamp: null
  labels:
    app: deployment-xyz
  name: deployment-xyz
spec:
  replicas: 1
  selector:
    matchLabels:
      app: deployment-xyz
  strategy: {}
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: deployment-xyz
    spec:
      containers:
      - image: lfccncf/busybox:1
        name: busybox
        resources: {}
status: {}
~
~
"deployment_xyz.yml" 24L, 434C 3,1 All
```

```
kind: Deployment
metadata:
  labels:
    app: deployment-xyz
  name: deployment-xyz
spec:
  replicas: 1
  selector:
    matchLabels:
      app: deployment-xyz
  template:
    metadata:
      labels:
        app: deployment-xyz
    spec:
      volumes:
      - name: myvol1
        emptyDir: {}
      containers:
      - image: lfccncf/busybox:1
        name: logger-dev
        volumeMounts:
        - name: myvol1
          mountPath: /tmp/log
      - image: lfccncf/fluentd:v0.12
        name: adapter-zen
3 lines yanked 27,22 Bot
```


Readme
Web Terminal
THE **LINUX** FOUNDATION

```

replicas: 1
selector:
  matchLabels:
    app: deployment-xyz
template:
  metadata:
    labels:
      app: deployment-xyz
  spec:
    volumes:
      - name: myvol1
        emptyDir: {}
    containers:
      - image: lfccncf/busybox:1
        name: logger-dev
        command: ["/bin/sh", "-c", "while [ true ]; do echo 'i luv cncf' >> /tmp/log/input.log; sl
        eep 10; done"]
        volumeMounts:
          - name: myvol1
            mountPath: /tmp/log
      - image: lfccncf/fluentd:v0.12
        name: adapter-zen
        command: ["/bin/sh", "-c", "tail -f /tmp/log/input.log >> /tmp/log/output.log"]
        volumeMounts:
          - name: myvol1
            mountPath: /tmp/log

```

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Readme
Web Terminal
THE **LINUX** FOUNDATION

```

metadata:
  labels:
    app: deployment-xyz
spec:
  volumes:
    - name: myvol1
      emptyDir: {}
    - name: myvol2
      configMap:
        name: logconf
  containers:
    - image: lfccncf/busybox:1
      name: logger-dev
      command: ["/bin/sh", "-c", "while [ true ]; do echo 'i luv cncf' >> /tmp/log/input.log; sl
      eep 10; done"]
      volumeMounts:
        - name: myvol1
          mountPath: /tmp/log
    - image: lfccncf/fluentd:v0.12
      name: adapter-zen
      command: ["/bin/sh", "-c", "tail -f /tmp/log/input.log >> /tmp/log/output.log"]
      volumeMounts:
        - name: myvol1
          mountPath: /tmp/log
        - name: myvol2
          mountPath: /fluentd/etc

```

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```
student@node-1:~$ kubectl create -f deployment_xyz.yml
deployment.apps/deployment-xyz created
student@node-1:~$ kubectl get deployment
NAME                READY    UP-TO-DATE    AVAILABLE    AGE
deployment-xyz      0/1      1              0            5s
student@node-1:~$ kubectl get deployment
NAME                READY    UP-TO-DATE    AVAILABLE    AGE
deployment-xyz      0/1      1              0            9s
student@node-1:~$ kubectl get deployment
NAME                READY    UP-TO-DATE    AVAILABLE    AGE
deployment-xyz      1/1      1              1            12s
student@node-1:~$
```