

CKAD Dumps

Certified Kubernetes Application Developer (CKAD) Program

<https://www.certleader.com/CKAD-dumps.html>



NEW QUESTION 1

Exhibit:



Context

A container within the poller pod is hard-coded to connect the nginxsvc service on port90 . As this port changes to5050 an additional container needs to be added to the poller pod which adapts the container to connect to this new port. This should be realized as an ambassador container within the pod.

Task

- Update the nginxsvc service to serve on port5050.
- Add an HAproxy container named haproxy bound to port90 tothe poller pod and deploy the enhanced pod. Use the image haproxy and inject the configuration located at /opt/KDMC00101/haproxy.cfg, with a ConfigMap named haproxy-config, mounted into the container so that haproxy.cfg is available at /usr/local/etc/haproxy/haproxy.cfg. Ensure that you update the args of the poller container to connect to localhost instead of nginxsvc so that the connection is correctly proxied to the new service endpoint. You must not modify the port of the endpoint in poller's args . The spec file used to create the initial poller pod is available in /opt/KDMC00101/poller.yaml

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution: apiVersion: apps/v1 kind: Deployment metadata:

name: my-nginx spec:

selector: matchLabels: run: my-nginx replicas: 2 template: metadata: labels:

run: my-nginx spec: containers:

- name: my-nginx image: nginx ports:

- containerPort: 90

This makes it accessible from any node in your cluster. Check the nodes the Pod is running on: kubectl apply -f ./run-my-nginx.yaml

kubectl get pods -lrun=my-nginx -o wide

NAME READY STATUS RESTARTS AGE IP NODE

my-nginx-3800858182-jr4a2 1/1 Running 0 13s 10.244.3.4 kubernetes-minion-905m

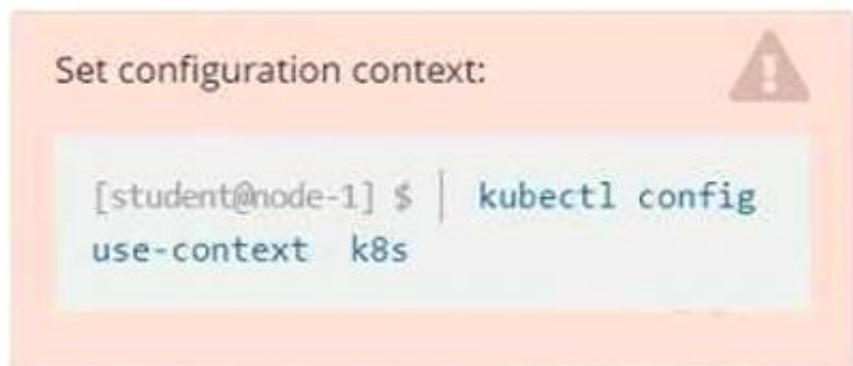
my-nginx-3800858182-kna2y 1/1 Running 0 13s 10.244.2.5 kubernetes-minion-ljyd Check your pods' IPs:

kubectl get pods -lrun=my-nginx -o yaml | grep podIP podIP: 10.244.3.4

podIP: 10.244.2.5

NEW QUESTION 2

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 within22seconds 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. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution:

Readme
Web Terminal
THE **LINUX** FOUNDATION

```

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

```

Readme
Web Terminal
THE **LINUX** FOUNDATION

```

apiVersion: batch/v1beta1
kind: CronJob
metadata:
  name: hello
spec:
  jobTemplate:
    metadata:
      name: hello
    spec:
      template:
        spec:
          containers:
            - image: busybox
              name: hello
              args: ["/bin/sh", "-c", "date"]
              restartPolicy: Never
          schedule: '* */1 * * * *'
          startingDeadlineSeconds: 22
          concurrencyPolicy: Allow

```

19,26 All

Readme
Web Terminal
THE **LINUX** FOUNDATION

```

student@node-1:~$ kubectl create cronjob hello --image=busybox --schedule "*" * * * * --dry-run=
client -o yaml > /opt/KDPD00301/periodic.yaml
error: unable to match a printer suitable for the output format "yaml", allowed formats are: go-t
emplate,go-template-file,json,jsonpath,jsonpath-as-json,jsonpath-file,name,template,templatefile
,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
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
hello     */1 * * * *   False    0        <none>           6s
student@node-1:~$

```

NEW QUESTION 3

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. Mastered
- B. Not Mastered

Answer: A

Explanation:

Suggest the Solution.

NEW QUESTION 10

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