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Prep4away Certified Kubernetes Administrator (CKA) Program Exam (CKA) practice test has real Certified Kubernetes Administrator (CKA) Program Exam (CKA) exam questions. You can change the difficulty of these questions, which will help you determine what areas appertain to more study before taking your Linux Foundation CKA Exam Dumps. Here we listed some of the most important benefits you can get from using our Linux Foundation CKA practice questions.

The CKA certification is a valuable credential for IT professionals who work with Kubernetes and want to demonstrate their expertise in the field. Certified Kubernetes Administrator (CKA) Program Exam certification is vendor-neutral, widely recognized by employers, and can help candidates stand out in a competitive job market. CKA Exam is challenging but fair, testing candidates' skills in a real-world environment. With the growing adoption of Kubernetes in the industry, the CKA certification is becoming increasingly relevant and valuable for IT professionals and organizations alike.

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The Certified Kubernetes Administrator (CKA) Program Certification Exam is an industry-recognized credential that verifies the skills of an individual to manage, deploy and troubleshoot Kubernetes clusters. Kubernetes is an open-source container orchestration system that has become the preferred choice for managing containerized applications. The Linux Foundation offers the CKA program to validate the knowledge and experience of professionals in this technology.

Linux Foundation Certified Kubernetes Administrator (CKA) Program Exam Sample Questions (Q53-Q58):

NEW QUESTION # 53

Create a Kubernetes secret as follows:

Name: super-secret

password: bob

Create a pod named pod-secrets-via-file, using the redis Image, which mounts a secret named super-secret at /secrets.

Create a second pod named pod-secrets-via-env, using the redis Image, which exports password as CONFIDENTIAL

Answer:

Explanation:

See the solution below.

Explanation

solution

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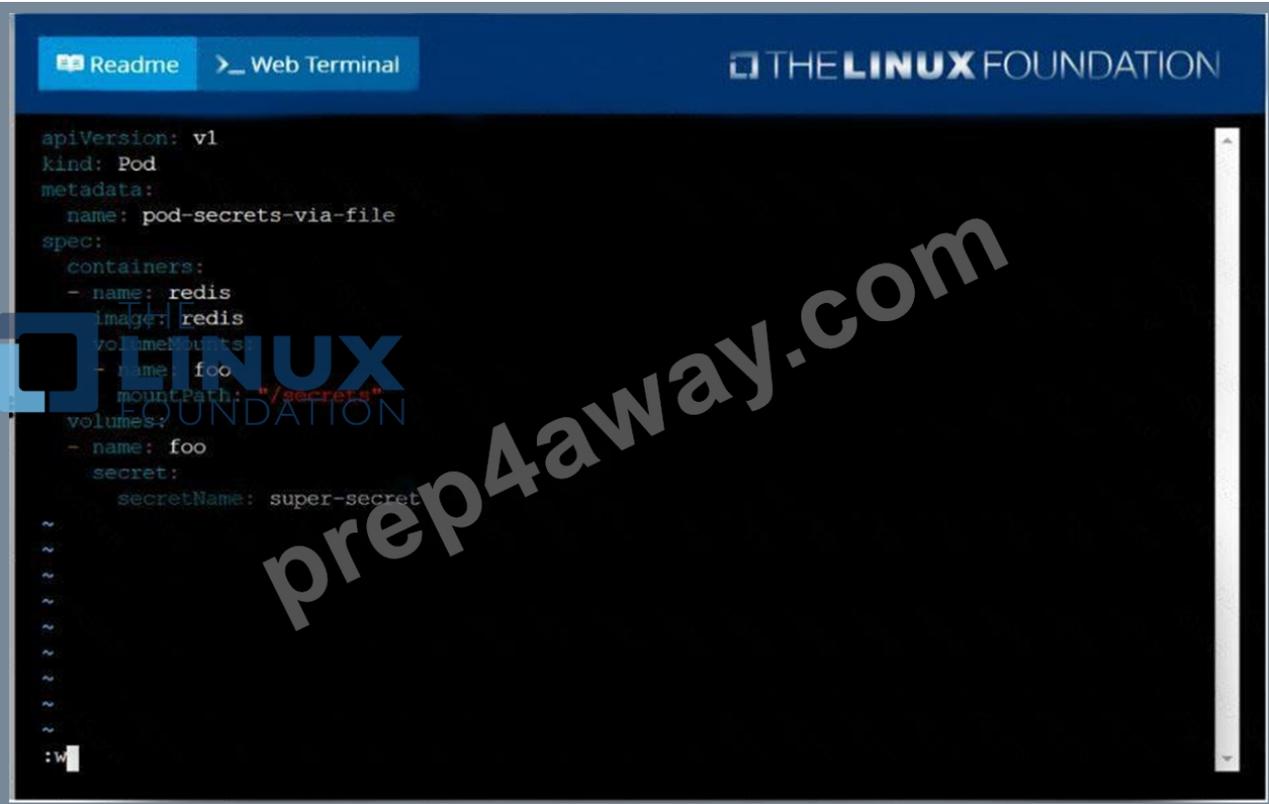


The screenshot shows a web terminal interface with a dark background and light text. At the top, there are two tabs: 'Readme' and 'Web Terminal'. The 'Web Terminal' tab is active. The terminal output shows the following commands and their results:

```
root@node-1:~#  
root@node-1:~# k create secret generic super-secret --from-literal=password=bob  
secret/super-secret created  
root@node-1:~# vim secret.yaml
```

The terminal also features a large, diagonal watermark that reads 'prep4away.com'. In the bottom right corner, there is a logo for 'THE LINUX FOUNDATION'.

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The screenshot shows a web terminal interface with a dark background and light text. At the top, there are two tabs: 'Readme' and 'Web Terminal'. The 'Web Terminal' tab is active. The terminal output shows a Kubernetes pod manifest:

```
apiVersion: v1  
kind: Pod  
metadata:  
  name: pod-secrets-via-file  
spec:  
  containers:  
  - name: redis  
    image: redis  
    volumeMounts:  
  - name: foo  
    mountPath: "/secrets"  
  volumes:  
  - name: foo  
    secret:  
      secretName: super-secret
```

The terminal also features a large, diagonal watermark that reads 'prep4away.com'. In the bottom right corner, there is a logo for 'THE LINUX FOUNDATION'.

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```

Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~# k create -f secret.yaml
pod/pod-secrets-via-file created
root@node-1:~# vim secret1.yaml
root@node-1:~# k create -f secret1.yaml
pod/pod-secrets-via-env created
root@node-1:~# k get po
NAME                                READY   STATUS    RESTARTS   AGE
cpu-utilizer-98b9se                 1/1     Running   0           6h25m
cpu-utilizer-ab2d3s                 1/1     Running   0           6h25m
cpu-utilizer-kipb9a                 1/1     Running   0           6h25m
ds-kusc00201-2r2k9                 1/1     Running   0           40m
ds-kusc00201-hzm9q                 1/1     Running   0           40m
foo                                  1/1     Running   0           6h28m
front-end                           1/1     Running   0           6h27m
hungry-bear                         1/1     Running   0           36m
kucc8                                3/3     Running   0           34m
nginx-app-848cfcf498-9prjh         1/1     Running   0           19m
nginx-app-848cfcf495-gl2kh         1/1     Running   0           19m
nginx-app-848cfcf495-pg2c8         1/1     Running   0           19m
nginx-kusc00101                    1/1     Running   0           26m
pod-secrets-via-env                 1/1     Running   0           4s
pod-secrets-via-file                1/1     Running   0           106s
webserver-84c55967f4-qzjcv         1/1     Running   0           6h43m
webserver-84c55967f4-t479l        1/1     Running   0           6h43m
root@node-1:~#

```

NEW QUESTION # 54

List all persistent volumes sorted by capacity, saving the full kubectl output to /opt/KUCC00102/volume_list. Use kubectl's own functionality for sorting the output, and do not manipulate it any further.

Answer:

Explanation:

See the solution below.

Explanation

solution

F:\Work\Data Entry Work\Data Entry\20200827\CKA\2 C.JPG

```

Readme Web Terminal THE LINUX FOUNDATION

77d
pv0007 7Gi      RWO      Recycle    Available   slow
77d
pv0006 8Gi      RWO      Recycle    Available   slow
77d
pv0003 10Gi     RWO      Recycle    Available   slow
77d
pv0002 11Gi     RWO      Recycle    Available   slow
77d
pv0010 13Gi     RWO      Recycle    Available   slow
77d
pv0011 14Gi     RWO      Recycle    Available   slow
77d
pv0001 16Gi     RWO      Recycle    Available   slow
77d
pv0009 17Gi     RWO      Recycle    Available   slow
77d
pv0005 18Gi     RWO      Recycle    Available   slow
77d
pv0008 19Gi     RWO      Recycle    Available   slow
77d
pv0000 21Gi     RWO      Recycle    Available   slow
77d
root@node-1:~# k get pv --sort-by=.spec.capacity.storage > /opt/KUCC00102/volume_list
root@node-1:~#

```

NEW QUESTION # 55

You have a Deployment with 5 replicas. You want to increase the number of replicas to 10, but only after ensuring that the new pods are healthy and ready to serve traffic.

Answer:

Explanation:

See the solution below with Step by Step Explanation.

Explanation:

Solution (Step by Step) :

1. Update the Deployment YAML:

- Update the 'replicas' field in the Deployment YAML to 10.

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: my-deployment
spec:
  replicas: 10
  # ... other deployment configurations
```

2. Apply the Changes: - Apply the updated YAML file using 'kubectl apply -f my-deployment.yaml' 3. Monitor Pod Status: - Use 'kubectl get pods -l app=my-app' to monitor the status of the pods. - Ensure that the new pods are in the 'Running' state and have a 'Ready' status. 4. Check Liveness and Readiness Probes: - If applicable, ensure that liveness and readiness probes are configured to check the health of the pods. - This helps in identifying and restarting unhealthy pods. 5. Verify Service Availability: - Use 'kubectl get services my-service' to check the service status. - Ensure that the service is still available and serving traffic. 6. Increase Replicas: - Once the new pods are healthy and ready, the deployment will automatically scale up to 10 replicas.

NEW QUESTION # 56

List all the pods showing name and namespace with a json path expression

Answer:

Explanation:

```
kubectl get pods -o=jsonpath="{.items[*]['metadata.name'], 'metadata.namespace'}"
```

NEW QUESTION # 57

Create a pod with image nginx called nginx and allow traffic on port 80

Answer:

Explanation:

See the solution below.

Explanation

```
kubectlrn nginx --image=nginx --restart=Never --port=80
```

NEW QUESTION # 58

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