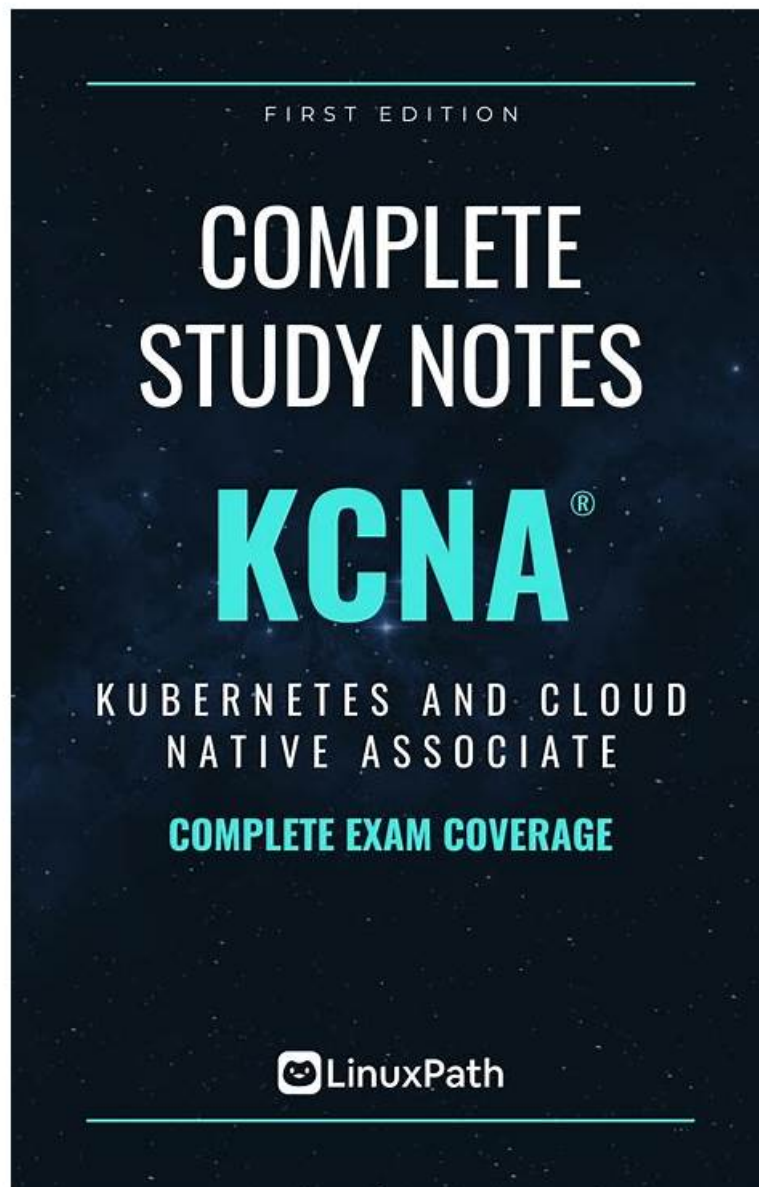


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As mentioned earlier, Exam-Killer solves all problems that you face while locating updated Kubernetes and Cloud Native Associate (KCNA) exam questions. We know that as an applicant for the test, you have excessive pressure to pass the Linux Foundation Certification Exam. Exam-Killer is here to help you earn the highly sought-after Kubernetes and Cloud Native Associate (KCNA) certification on the first attempt. Don't wait to get help from our Linux Foundation KCNA real exam dumps to crack the test quickly. You can better comprehend Exam-Killer's Kubernetes and Cloud Native Associate (KCNA) exam questions if you know about the three formats described here.

Linux Foundation KCNA (Kubernetes and Cloud Native Associate) Certification Exam is a globally recognized certification exam that validates the skills and knowledge of IT professionals in cloud-native application development and deployment. KCNA exam is designed to assess the candidate's understanding of Kubernetes and other cloud-native technologies, including containerization, microservices, and serverless computing. Kubernetes and Cloud Native Associate certification is an entry-level credential that helps IT professionals advance their careers in the cloud-native industry.

Linux Foundation KCNA Certification Exam is an online, proctored exam that consists of 40 multiple-choice questions. KCNA exam is conducted on the EdX platform, which is a leading online learning platform. KCNA Exam is designed to test the candidate's understanding of the fundamentals of Kubernetes, containerization, and cloud-native technologies. KCNA exam covers topics such as Kubernetes architecture, deployment, configuration, and troubleshooting.

Linux Foundation KCNA (Kubernetes and Cloud Native Associate) Exam is a certification program developed by the Linux Foundation that is designed to test an individual's knowledge and skills in managing and deploying cloud-native applications and infrastructure using Kubernetes. Kubernetes and Cloud Native Associate certification is an entry-level program that is intended for IT professionals who are new to Kubernetes and cloud-native technologies.

Linux Foundation Kubernetes and Cloud Native Associate Sample Questions (Q75-Q80):

NEW QUESTION # 75

What is the difference between a Service and an Ingress in Kubernetes?

- A. Services expose applications running within the cluster, while Ingress provides routing and load balancing for external traffic.
- B. Services are used for scheduling Pods to nodes, while Ingress is used for managing the communication between Pods and services.
- C. Services manage the lifecycle of Pods, while Ingress manages the lifecycle of Deployments.
- D. Services are used for managing the state of Pods, while Ingress is used for managing the health of Pods.
- E. Services provide external access to your application, while Ingress provides internal access.

Answer: A

Explanation:

In Kubernetes Services provide a way to expose applications running within the cluster, while Ingress provides a mechanism for routing and load balancing external traffic to your applications. Services are used to make Pods accessible within the cluster, while Ingress enables users outside the cluster to access your applications.

NEW QUESTION # 76

Consider the following Kubernetes resource definition:



```

apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
spec:
  replicas: 3
  selector:
    matchLabels:
      app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
        - name: nginx
          image: nginx:1.14.2
          ports:
            - containerPort: 80
          resources:
            requests:
              cpu: "100m"
              memory: "100Mi"
            limits:
              cpu: "500m"
              memory: "500Mi"

```

What does the "resources" section define in this Deployment manifest?

- A. The number of CPU cores and memory available on the node
- B. The storage capacity required for the pod
- C. The number of replicas that Kubernetes should create for the Deployment
- D. The network bandwidth allocated to the pod
- E. The minimum and maximum resource requirements for the container

Answer: E

Explanation:

The "resources" section in the Deployment manifest defines the minimum (requests) and maximum (limits) resource requirements for the container. This helps Kubernetes schedule pods effectively and prevents resource starvation or excessive resource consumption by individual pods.

NEW QUESTION # 77

What feature is used for selecting the container runtime configuration?

- A. RuntimeContainer
- B. Runtime
- C. RuntimeClass

- D. RuntimeConfig

Answer: C

Explanation:

<https://kubernetes.io/docs/concepts/containers/runtime-class/>

Runtime Class

FEATURE STATE: Kubernetes v1.20 [stable]

This page describes the RuntimeClass resource and runtime selection mechanism.

RuntimeClass is a feature for selecting the container runtime configuration. The container runtime configuration is used to run a Pod's containers.

Motivation [↗](#)

You can set a different RuntimeClass between different Pods to provide a balance of performance versus security. For example, if part of your workload deserves a high level of information security assurance, you might choose to schedule those Pods so that they run in a container runtime that uses hardware virtualization. You'd then benefit from the extra isolation of the alternative runtime, at the expense of some additional overhead.

You can also use RuntimeClass to run different Pods with the same container runtime but with different settings.



NEW QUESTION # 78

You have a Kubernetes cluster with a deployment named 'my-app' that has a replica count of 3. You need to temporarily scale it down to 1 replica. Which command would you use?

- A. `kubectl patch deployments my-app -type=json-patch='{"spec":{"replicas":1}}'`
- B. `kubectl scale deployments my-app --replicas=1`
- C. `kubectl apply -f my-app-deployment.yaml --replicas=1`
- D. `kubectl edit deployment my-app --replicas=1`
- E. `kubectl set scale deployments my-app --replicas=1`

Answer: B,E

Explanation:

Both '`kubectl scale deployments my-app --replicas=1`' and '`kubectl set scale deployments my-app --replicas=1`' are valid commands to scale down the deployment. Option 'C' also works but it is more verbose. Option 'B' would edit the deployment configuration, which is not the desired outcome in this case. Option 'E' would apply a new configuration, which is also not ideal.

NEW QUESTION # 79

You are running a web application in Kubernetes. The application uses a database that is accessed by multiple Pods. You want to ensure that the database connection details are securely stored and accessed by the Pods. Which Kubernetes feature would you use for this purpose?

- A. Secret
- B. ConfigMap
- C. Service

- D. Namespace
- E. PersistentVolumeClaim

Answer: A

Explanation:

Secrets are Kubernetes resources that allow you to store sensitive information, such as passwords, API keys, and certificates. You can then mount Secrets into Pods, allowing them to securely access the information they need without exposing it in plain text.

NEW QUESTION # 80

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