vmexam.com
#1 Cloud and VM Certification Guide

Linux Foundation KCSA

LINUX FOUNDATION KUBERNETES AND CLOUD NATIVE SECURITY CERTIFICATION QUESTIONS & ANSWERS

Exam Summary – Syllabus – Questions

KCSA

Linux Foundation Kubernetes and Cloud Native Security Associate (KCSA)

60 Questions Exam – 75% Cut Score – Duration of 90 minutes

www.VMExam.com

Table of Contents

Know Your KCSA Certification Well:

The KCSA is best suitable for candidates who want to gain knowledge in the Linux Foundation Cloud & Containers. Before you start your KCSA preparation you may struggle to get all the crucial Kubernetes and Cloud Native Security materials like KCSA syllabus, sample questions, study guide.

But don't worry the KCSA PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the KCSA syllabus?
- How many questions are there in the KCSA exam?
- Which Practice test would help me to pass the KCSA exam at the first attempt?

Passing the KCSA exam makes you Linux Foundation Kubernetes and Cloud Native Security Associate (KCSA). Having the Kubernetes and Cloud Native Security certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

Linux Foundation KCSA Kubernetes and Cloud Native Security Certification Details:

Exam Name	Linux Foundation Kubernetes and Cloud Native Security Associate (Kubernetes and Cloud Native Security)
Exam Code	KCSA
Exam Price	$250 USD
Duration	90 minutes
Number of Questions	60
Passing Score	75%
Schedule Exam	**The Linux Foundation Training & Certification**
Sample Questions	**Linux Foundation KCSA Sample Questions**
Recommended Practice	**Linux Foundation Kubernetes and Cloud Native Security Associate (KCSA) Practice Test**

KCSA Syllabus:

Section	Objectives	Weight
Overview of Cloud Native Security	- The 4Cs of Cloud Native Security - Cloud Provider and Infrastructure Security - Controls and Frameworks - Isolation Techniques - Artifact Repository and Image Security - Workload and Application Code Security	**14%**
Kubernetes Cluster Component Security	- API Server - Controller Manager - Scheduler - Kubelet - Container Runtime - KubeProxy - Pod - Etcd - Container Networking - Client Security - Storage	**22%**
Kubernetes Security Fundamentals	- Pod Security Standards - Pod Security Admissions - Authentication - Authorization - Secrets - Isolation and Segmentation - Audit Logging - Network Policy	**22%**
Kubernetes Threat Model	- Kubernetes Trust Boundaries and Data Flow - Persistence - Denial of Service - Malicious Code Execution and Compromised Applications in Containers - Attacker on the Network - Access to Sensitive Data - Privilege Escalation	**16%**
Platform Security	- Supply Chain Security - Image Repository - Observability - Service Mesh - PKI - Connectivity - Admission Control	**16%**
Compliance and Security Frameworks	- Compliance Frameworks - Threat Modelling Frameworks - Supply Chain Compliance - Automation and Tooling	**10%**

Linux Foundation KCSA Sample Questions:

Question: 1

What does GDPR primarily focus on?

a) Data protection and privacy for individuals within the EU
b) Information security management
c) Payment card security
d) Healthcare information privacy

Answer: a

Question: 2

For a company looking to align IT goals with business goals, which framework would be most suitable?

a) COBIT
b) NIST
c) ISO 27001
d) HIPAA

Answer: a

Question: 3

In a Kubernetes environment, what role does a Service Mesh primarily play?

a) Managing storage and database connections
b) Automating the deployment of containers
c) Monitoring resource utilization
d) Handling inter-service communications and security

Answer: d

Question: 4

In the context of Kubernetes, what does 'Persistence' primarily refer to in a threat model?

a) Continuous monitoring of network traffic
b) Ability of an attacker to maintain access to a resource
c) Data storage and backup mechanisms
d) Ongoing application performance management

Answer: b

Question: 5

What is the main purpose of the 'Pod' in Kubernetes?

a) To store data persistently
b) To act as a basic unit of deployment
c) To manage user access
d) To run the control plane components

Answer: b

Question: 6

What is the primary function of the Kubernetes API Server?

a) To schedule pods to nodes
b) To manage the state of the cluster
c) To execute containerized applications
d) To handle networking between pods

Answer: b

Question: 7

Which of the following is a potential threat in the Kubernetes environment?

a) High resource utilization
b) Inconsistent coding practices
c) Denial of Service attacks
d) Frequent updates to applications

Answer: c

Question: 8

Which of these is a risk associated with Malicious Code Execution in Kubernetes?

a) Decreased application loading times
b) Unauthorized modification of running applications
c) Increased costs for cloud resources
d) Overutilization of storage resources

Answer: b

Question: 9

What is the primary role of the Kubernetes Scheduler?

a) To assign pods to nodes in the cluster
b) To manage the network within the cluster
c) To monitor the health of pods
d) To orchestrate container storage

Answer: a

Question: 10

In Cloud Native Security, what is the significance of securing the Artifact Repository?

a) It protects against unauthorized code changes
b) It ensures efficient cloud resource usage
c) It aids in faster application deployment
d) It manages user identities and access

Answer: a

Study Guide to Crack Linux Foundation Kubernetes and Cloud Native Security KCSA Exam:

- Getting details of the KCSA syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the KCSA exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Linux Foundation provided training for KCSA exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the KCSA sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on KCSA practice tests is must. Continuous practice will make you an expert in all syllabus areas.