

Linux Foundation KCSA

**Linux Foundation Kubernetes and Cloud Native Security
Associate**

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Question: 1

Malicious Code Execution in Kubernetes can lead to:
Response:

- A. Increased operational costs
- B. Compromised applications running in containers
- C. Inefficient resource allocation
- D. Poor user experience

Answer: B

Question: 2

In Cloud Native Security, which aspect focuses on securing the software used for running applications and services?
Response:

- A. Cloud Provider and Infrastructure Security
- B. Controls and Frameworks
- C. Isolation Techniques
- D. Artifact Repository and Image Security

Answer: D

Question: 3

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

- 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: 4

What is the purpose of Isolation and Segmentation in Kubernetes?

Response:

- A. Enhancing network speed
- B. Separating resources to improve security
- C. Reducing resource consumption
- D. Managing user access

Answer: B

Question: 5

Audit Logging in Kubernetes is important for:

Response:

- A. Optimizing application performance
- B. Tracking user actions and system changes
- C. Balancing the load across nodes
- D. Scheduling pods on nodes

Answer: B

Question: 6

In Kubernetes, what is the primary purpose of Pod Security Standards?

Response:

- A. Managing pod storage
- B. Regulating network traffic
- C. Setting security guidelines for pod creation
- D. Scheduling pods on nodes

Answer: C

Question: 7

The main goal of Authorization in Kubernetes is to:

Response:

- A. Optimize resource usage
- B. Determine access rights within the cluster
- C. Store sensitive information securely
- D. Monitor the health of the cluster

Answer: B

Question: 8

What is the primary goal of Application Code Security in a Cloud Native setup?
Response:

- A. Accelerating code deployment
- B. Protecting applications from vulnerabilities and threats
- C. Ensuring code compatibility with different cloud providers
- D. Facilitating seamless team collaboration

Answer: B

Question: 9

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

- A. Managing storage and database connections
- B. Handling inter-service communications and security
- C. Automating the deployment of containers
- D. Monitoring resource utilization

Answer: B

Question: 10

Which of the following is a key responsibility of the Kubernetes Controller Manager?
Response:

- A. Container runtime management
- B. Service discovery and load balancing
- C. Running control loops
- D. Data encryption

Answer: C

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