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Question 1

Question Type: MultipleChoice

Which of the following statements correctly describes a container breakout?

Options:

- A- A container breakout is the process of escaping the container and gaining access to the Pod's network traffic.
- B- A container breakout is the process of escaping a container when it reaches its resource limits.
- C- A container breakout is the process of escaping the container and gaining access to the cloud provider's infrastructure.
- D- A container breakout is the process of escaping the container and gaining access to the host operating system.

Answer:

D

Question 2

Question Type: MultipleChoice

By default, in a Kubeadm cluster, which authentication methods are enabled?

Options:

- A- OIDC, Bootstrap tokens, and Service Account Tokens
- B- X509 Client Certs, OIDC, and Service Account Tokens
- C- X509 Client Certs, Bootstrap Tokens, and Service Account Tokens
- D- X509 Client Certs, Webhook Authentication, and Service Account Tokens

Answer:

C

Question 3

Question Type: MultipleChoice

What is a multi-stage build?

Options:

A- A build process that involves multiple developers collaborating on building an image.

B- A build process that involves multiple repositories for storing container images.

C- A build process that involves multiple containers running simultaneously to speed up the image creation.

D- A build process that involves multiple stages of image creation, allowing for smaller, optimized images.

Answer:

D

Question 4

Question Type: MultipleChoice

Which of the following statements best describe container image signing and verification in the cloud environment?

Options:

A- Container image signatures and their verification ensure their authenticity and integrity against tampering.

B- Container image signatures are concerned with defining developer ownership of applications within multi-tenant environments.

C- Container image signatures are mandatory in cloud environments, as cloud providers would deny the execution of unsigned container images.

D- Container image signatures affect the performance of containerized applications, as they increase the size of images with additional metadata.

Answer:

A

Question 5

Question Type: MultipleChoice

Which of the following represents a baseline security measure for containers?

Options:

- A- Implementing access control to restrict container access.
- B- Configuring a static IP for each container.
- C- Configuring persistent storage for containers.
- D- Run containers as the root user.

Answer:

A

Question 6

Question Type: MultipleChoice

Which of the following statements best describes the role of the Scheduler in Kubernetes?

Options:

- A- The Scheduler is responsible for monitoring and managing the health of the Kubernetes cluster.
- B- The Scheduler is responsible for ensuring the security of the Kubernetes cluster and its components.
- C- The Scheduler is responsible for managing the deployment and scaling of applications in the Kubernetes cluster.
- D- The Scheduler is responsible for assigning Pods to nodes based on resource availability and other constraints.

Answer:

D

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