

Linux-Foundation

Exam Questions LFCA

Linux Foundation Certified IT Associate



NEW QUESTION 1

A supervisor instructs an IT associate to encrypt all data on a particular partition on a Linux database host. What open source technology would be used to encrypt the data?

- A. MD5
- B. LUKS
- C. BitLocker
- D. ext4

Answer: C

NEW QUESTION 2

An IT associate is researching technology options to use at a company. The company's application requires a Linux server, features a small memory footprint, and runs mostly web services and a few back-end applications. Which of the following would allow for the most efficient use of system resources and fast startup speeds?

- A. Containers
- B. Hybrid Cloud
- C. Physical hardware
- D. Virtualization

Answer: A

NEW QUESTION 3

Which of the following is a non-functional requirement?

- A. The system must allow the administrator to disable user accounts.
- B. The system must provide the user the option to enable multi-factor authentication.
- C. The system must allow the user to upload a profile image.
- D. The system must adhere to all security requirements and regulations.

Answer: D

NEW QUESTION 4

Which measures can be taken to prevent unauthorized access to cloud instances and services?

- A. Use multi-factor authentication, implement firewall rules, and back up data off-site.
- B. Implement block-chain tokens, use encrypted protocols, and encrypt the data on storage systems.
- C. Replicate data to another datacenter, use multi-factor authentication, and encrypt data on storage systems.
- D. Implement firewall rules, authentication, authorization, and encrypted protocols.

Answer: D

NEW QUESTION 5

Which of the following authentication method types would include using a password in combination with a hardware token?

- A. Multi-Factor Authentication
- B. Multi-Staged Security
- C. Hardware Encryption Authentication
- D. Multi-Step Analysis

Answer: A

NEW QUESTION 6

Which of the following would be the most appropriate use-case for a Function as a Service (FaaS) implementation?

- A. An application that requires a local file system
- B. An application that continuously polls for work to process
- C. An event-driven application with dynamic scaling
- D. An application that requires a regionally- or globally-distributed file system

Answer: C

NEW QUESTION 7

An IT associate is working with a video streaming provider. What is a common approach to reduce bandwidth cost while supporting the same or an increasing number of video streams and customers?

- A. Stop serving the video streams when a certain price limit is reached.
- B. Reduce the bitrate to reduce the size of the video streams.
- C. Serve the video streams only to a limited number of users at a time.
- D. Use a content delivery network to distribute the streams.

Answer: D

NEW QUESTION 8

An IT associate is creating a business case to adopt a DevOps approach in an organization. Which of the following is a benefit of DevOps to include in the business case?

- A. The DevOps tool framework reduces the mean time to recovery and number of outages, which results in increased sales.
- B. Developers take on the work of the operations team
- C. The operations team, therefore, needs fewer people, reducing the number of people the organization needs to pay.
- D. The frequency and stability of software deployments will be increased, which can lead to faster time to market.
- E. The new DevOps team takes over the work the development team does not have time to complete
- F. The developers then have time to create new features.

Answer: C

NEW QUESTION 9

What does IaaS stand for?

- A. IT as a Service
- B. Integration as a Service
- C. Infrastructure as a Service
- D. Information as a Service

Answer: C

NEW QUESTION 10

What software application architecture allows teams to iterate quickly and to develop software applications to scale rapidly?

- A. Serverless architecture
- B. Container architecture
- C. SOA architecture
- D. Micro-service architecture

Answer: D

NEW QUESTION 10

A company's IT associate lists the contents of a directory and sees this line:

```
-rwsr-x--x 2 bob sales 2047 Oct 10 09:44 sales-report
```

What happens when Alice from the accounting team tries to execute this file?

- A. The script executes using Bob's account.
- B. The script executes, but Alice cannot see the results.
- C. The script executes and Bob is notified.
- D. The script fails to execute; Alice is not on the sales team.

Answer: A

NEW QUESTION 11

Which of the following best describes the DevOps methodology of Continuous Delivery?

- A. The focus is on coding, building, integrating, and testing software.
- B. The focus is on automating releases of projects as soon as possible.
- C. The focus is on configuration management and continuous monitoring.
- D. The focus is on product releases but also includes coding, building, integrating and testing software

Answer: B

NEW QUESTION 14

A host seems to be running slowly. What command would help diagnose which processes are using system resources?

- A. df
- B. free
- C. uptime
- D. top

Answer: D

NEW QUESTION 17

Which of the following Git commands creates a new, empty Git repository?

- A. git clone
- B. git fork
- C. git pull
- D. git init

Answer: D

NEW QUESTION 19

Which of the following is considered a best practice for hardening SSHD?

- A. Using portknocking to protect ssh access for root
- B. Completely disabling ssh access
- C. Disabling ssh access for root
- D. Renaming root to a random name

Answer: C

NEW QUESTION 22

Which of the following commands is used to display SELinux status?

- A. svstemctl
- B. sestatus
- C. firewall-cmd
- D. sudo

Answer: B

NEW QUESTION 24

On systemd-based Linux systems, what are runlevels called?

- A. Services
- B. Targets
- C. Units
- D. Modes

Answer: B

NEW QUESTION 26

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