

# Exam Questions LFCA

Linux Foundation Certified IT Associate

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#### 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

A team just developed a new feature on the company's main web application. An IT associate wants to test this new feature by making it available for only 10% of the users. If everything works without any problems for a week, the associate will then make it available for all users. Which release type should be used to achieve this goal?

- A. Canary release
- B. Experimental release
- C. Alpha release
- D. Beta release

**Answer: A**

#### NEW QUESTION 3

A company's IT associate has been asked to switch to single-user mode on a running Linux server in order to perform some troubleshooting. Of the options below, which is the best way of doing this?

- A. su single
- B. init singleuser
- C. lsu 1
- D. linit 1

**Answer: D**

#### NEW QUESTION 4

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 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

Which utility is used to create public and private key pairs for SSH authentication?

- A. adduser
- B. ssh-keygen
- C. keygen
- D. ssh

**Answer: B**

#### NEW QUESTION 8

Which of the following commands is used to detach a mounted filesystem or storage device?

- A. umount
- B. mount
- C. mkfs
- D. fsck

**Answer:** A

#### NEW QUESTION 9

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 10

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 10

Which of the following standard log files would provide the most detailed information on why a recently upgraded custom kernel failed to boot?

- A. /var/log/boot.log
- B. /var/log/kern.log
- C. /var/log/daemon.log
- D. /var/log/auth.log

**Answer:** B

#### NEW QUESTION 12

A software development team uses a single physical server for testing the latest code in multiple environments: development, pre-production, and production.

What is the recommended approach to maintain the basic security of these environments?

- A. Assign different developers on the team to work on test, pre-pro
- B. and prod code.
- C. Implement peer review for all the changes deployed into any of the environments
- D. Develop and deploy each environment with its own set of software tools.
- E. Use different user/group IDs for deploying and running workload in each environment.

**Answer:** D

#### NEW QUESTION 13

An IT team is currently implementing a custom software platform to address some key needs of the company. Which of the following is considered a functional requirement?

- A. Identifying the purpose of the proposed system
- B. Identifying the users of the proposed system
- C. Identifying the development methodology
- D. Identifying the technology stack of the proposed system

**Answer:** A

#### NEW QUESTION 16

Encryption that uses both a private key and public key is known as what?

- A. Key Pair Encryption (symmetric cryptography)
- B. HMAC Cryptography (hash based message authentication]
- C. Public Key Cryptography (asymmetric cryptography)
- D. DPE (dual-phased hybrid encryption]

**Answer:** C

**NEW QUESTION 17**

An IT associate would find the log files for syslog in which of the following directories?

- A. /var/log
- B. /usr/local/logs
- C. /home/logs
- D. /etc/logs

**Answer:** A

**NEW QUESTION 19**

Which of the following is a commonly used open source software used to connect to SSL/TLS VPN services?

- A. OpenVPN
- B. GNUVPN
- C. NordVPN
- D. VPNConnect

**Answer:** A

**NEW QUESTION 23**

Which is a common best practice to automatically reduce disk usage associated with the storage of log files?

- A. Use the logrotate utility to periodically rotate the log files.
- B. Create a cron job that deletes all log files in the folder every day.
- C. Delete the /var/log" directory so the log files are prevented from being created.
- D. Manually empty the log files every day of the week.

**Answer:** A

**NEW QUESTION 27**

Which of the following deployment environments is accessed by customers/end-users in a live or real-time fashion?

- A. Production
- B. Runtime
- C. Staging
- D. Website

**Answer:** A

**NEW QUESTION 29**

Which of the following commands can be used to lock a user's account so that they cannot log into a Linux server without removing any files, folders, or data?

- A. lock
- B. usermod
- C. userdel
- D. chmod

**Answer:** B

**NEW QUESTION 31**

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