

Linux-Foundation

Exam Questions LFCA

Linux Foundation Certified IT Associate



NEW QUESTION 1

What command is used to set or change permission attributes of files (such as read, write, execute)?

- A. chacl
- B. chmod
- C. chown
- D. setattr

Answer: B

NEW QUESTION 2

Which option will cause ls to display hidden files and folders?

- A. ls -v
- B. ls -l
- C. ls -a
- D. ls -t

Answer: C

NEW QUESTION 3

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 4

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 5

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 6

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 7

What open source tool is used to manage instances in the cloud using infrastructure as code?

- A. SystemsDeployer
- B. Vault
- C. Terraform
- D. Docker

Answer: C

NEW QUESTION 8

Which of the following best describes serverless computing?

- A. A model of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another
- B. A model where a provider manages the back-end infrastructure management tasks, such as provisioning, scaling, scheduling, and patching
- C. An abstraction layer over computer hardware that allows the hardware elements of a single computer-processors, memory, storage, and more-to be divided into multiple segments
- D. A solution comprised of sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet

Answer: B

NEW QUESTION 9

After installing the package `postfix`, what command would you run in order to ensure that Postfix is started on reboot?

- A. `/etc/init.d/enable postfix`
- B. `enable postfix on`
- C. `postfix -onboot yes`
- D. `systemctl enable postfix`

Answer: D

NEW QUESTION 10

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 10

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 12

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 15

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 19

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 21

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 23

The Linux kernel uses a:

- A. dual architecture
- B. microkernel architecture
- C. monolithic architecture
- D. hybrid microkernel architecture

Answer: C

NEW QUESTION 24

What file is created to assemble a Docker image, which contains all the commands a user has to run to make the image from start to finish?

- A. DockerBuild
- B. Dockerfile
- C. BuildFile
- D. ImageFile

Answer: B

NEW QUESTION 25

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

- A. git clone
- B. git fork
- C. git pull
- D. git in it

Answer: D

NEW QUESTION 29

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 30

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 31

What is the underlying technology that allows containers to be restricted to defined limits for system resource usage such as CPU, memory, and network bandwidth?

- A. climits
- B. UnionFS
- C. Namespaces
- D. cgroups

Answer: D

NEW QUESTION 32

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 34

A server on the network is unreachable. What is the best method to verify connectivity between your computer and the remote server?

- A. lookup
- B. find
- C. ping
- D. netstat

Answer: C

NEW QUESTION 38

Which of the following best describes open source compliance?

- A. A process by which software components are compiled in a development environment, pushed to staging, and then finally moved to production
- B. A process in which various users of open source software observe copyright notices and satisfy license obligations for their open source software components
- C. A process by which users of open source software evaluate each line of their code against an open source dictionary to determine which components have been plagiarized
- D. A process by which open source software is first initiated by a requirements analysis, followed by design and then implementation, with a final testing step

Answer: B

NEW QUESTION 40

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 44

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

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

Answer: B

NEW QUESTION 48

By default, the Linux operating system uses what access control to manage files/users?

- A. Discretionary Access Control
- B. Mandatory Access Control
- C. Least Privilege
- D. Full Control

Answer: A

NEW QUESTION 50

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 55

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 58

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