



Linux-Foundation

Exam Questions LFCA

Linux Foundation Certified IT Associate

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NEW QUESTION 1

Which of the following technologies is supported by the majority of cloud providers in order to support the orchestration of containerized applications?

- A. Kubernetes
- B. Vagrant
- C. Ansible
- D. Terraform

Answer: A

NEW QUESTION 2

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 3

An IT associate is responsible for protecting and maintaining the integrity of a set of configuration files. What command could be used to prevent users from modifying these files?

- A. `setcap`
- B. `auditd`
- C. `chmod`
- D. `chown`

Answer: C

NEW QUESTION 4

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 5

An IT team needs to synchronize large amounts of data between two nodes on the company's local network. This data changes daily and it is not feasible to copy the entire directory tree each time. Which is the best option to securely copy files in the most timely and efficient manner?

- A. `rsync`
- B. `scp`
- C. `fsync`
- D. `netcp`

Answer: A

NEW QUESTION 6

What is an appropriate cost consideration when implementing serverless functions in the cloud?

- A. vCPU resources and disk cache
- B. Elapsed time of function execution and memory used
- C. Virtual machine configuration and memory allocation
- D. Runtime environment and container configuration

Answer: B

NEW QUESTION 7

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 8

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 9

The Linux kernel uses a:

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

Answer: C

NEW QUESTION 10

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 10

What does LVM stand for?

- A. Logical Virtualization Manager
- B. Linux Volume Manager
- C. Logical Volume Manager
- D. Linux Virtualization Manager

Answer: C

NEW QUESTION 11

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

An IT associate has a web application running on multiple servers, configured to scale based on CPU usage. The current configuration has a minimum size of 1 and a maximum size of 5 servers, designed to launch and spread the instances across 3 Availability Zones (AZ). During a low utilization period, an entire AZ went down, and the application experienced downtime. What can the IT associate do to increase the availability of the application?

- A. Increase the minimum to 2
- B. Change to scale based on number of requests
- C. Decrease the AZs to 2
- D. Increase the maximum to 6

Answer: A

NEW QUESTION 21

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 24

What command is used to view new content as it is written to a log file?

- A. cat
- B. grep -f
- C. cut -f1-5
- D. tail -f

Answer: D

NEW QUESTION 26

What is the Linux kernel?

- A. It is the core interface between a computer's hardware and its processes.
- B. It is another name for the operating system.
- C. It contains all the applications and software installed on the computer.
- D. It is the firmware for the computer's processor.

Answer: A

NEW QUESTION 27

What technology could be used to address software dependency conflicts between applications on the same host operating system?

- A. Type 1 hypervisors
- B. Type 2 hypervisors
- C. Containers
- D. cgroups

Answer: C

NEW QUESTION 29

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 34

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

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

Answer: B

NEW QUESTION 36

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