

# Linux-Foundation

## Exam Questions LFCA

Linux Foundation Certified IT Associate



#### NEW QUESTION 1

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 2

Which type of cloud computing combines on-premise infrastructure with a public cloud?

- A. Super cloud
- B. Combination cloud
- C. Hybrid cloud
- D. Mixed cloud

Answer: C

#### NEW QUESTION 3

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 4

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 5

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 6

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 7

What command do you use to view the structure of system directory hierarchies?

- A. tree
- B. fee | ls /etc
- C. ls -t
- D. ls tree

Answer: A

#### NEW QUESTION 8

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 9

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 10

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 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 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 15

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/syslog
- D. /var/log/auth.log

**Answer: B**

#### NEW QUESTION 18

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 23

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 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 25

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

Which of these providers host repositories of container images?

- A. Docker Hub
- B. GitHub
- C. Container Index
- D. GitLab

**Answer: A**

#### NEW QUESTION 32

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 34

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 38

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

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

**Answer: B**

#### NEW QUESTION 40

Which port is normally required to be open for secure remote interactive shell access to Linux systems?

- A. 443/tcp
- B. 23/tcp
- C. 22/tcp

D. 25/tcp

**Answer: C**

**NEW QUESTION 41**

Which of the following best describes the technical term ??Elasticity???

- A. The degree to which a system can adapt to dynamic computing demands
- B. The degree to which a business accommodates larger loads just by adding resources
- C. The degree to which a system consistently performs according to its specifications
- D. The ability to meet the business's needs through a variety of cloud offerings

**Answer: A**

**NEW QUESTION 44**

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