



# 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

When working on a Linux system with firewalld enabled, how can other systems be allowed to access the HTTPS port on the system in the default firewall zone so that the access is granted immediately and persists across reboots?

- A. firewallctl --add-port=https --reload
- B. iptables --add-service=https --permanent
- C. firewalld --add-service=https
- D. firewall-cmd --add-service=https --permanent --reload

**Answer: D**

#### NEW QUESTION 4

When using rsync to mirror a local directory to a remote server, what is the significance of the --delete option?

- A. Files absent from the remote directory will be restored from the local directory.
- B. Files present in the local directory, but not present in the remote directory, will be deleted.
- C. Files absent from the local directory will be restored from the remote directory.
- D. Files present in the remote directory, but not present in the local directory, will be deleted.

**Answer: D**

#### NEW QUESTION 5

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 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

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 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

When using vi or vim to edit a file, how do you exit without saving?

- A. :q!
- B. ZZ
- C. :wq!
- D. :exit

**Answer: A**

#### NEW QUESTION 10

The Linux kernel uses a:

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

**Answer: C**

#### NEW QUESTION 10

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. iop

**Answer: D**

#### NEW QUESTION 14

Which of the following is a solution to providing Internet access to a private network using only a single public IPv4 address?

- A. Routing gateway
- B. NAT gateway
- C. Local area network
- D. Virtual private network

**Answer: B**

#### NEW QUESTION 16

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 21

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 23

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 26

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 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 33

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 37

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 39

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 41

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 45

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 46**

Which of these providers host repositories of container images?

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

**Answer:** A

**NEW QUESTION 51**

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 Vvar/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 52**

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 53**

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