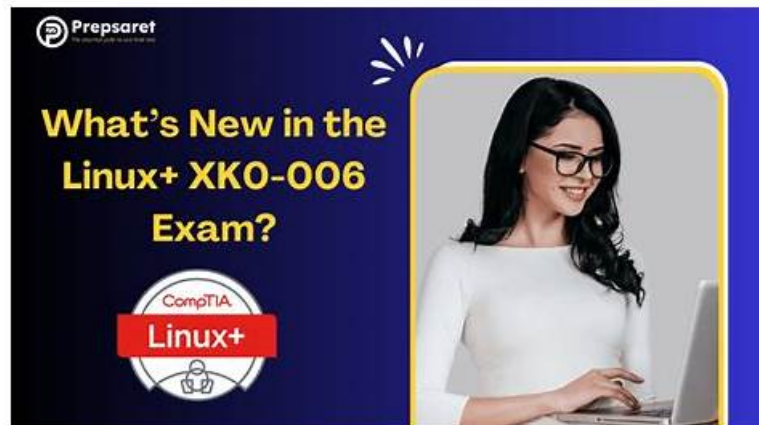


# Questions For The CompTIA XK0-006 Exam With A Money-Back Guarantee



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Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Automation, Orchestration, and Scripting: Covers task automation with tools like Ansible, shell and Python scripting, Git version control, and responsible AI-assisted development.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Troubleshooting: Addresses diagnosing and resolving issues across system health, hardware, storage, networking, security configurations, and performance optimization.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Services and User Management: Covers day-to-day Linux administration including file management, user accounts, processes, software, services, and container operations.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>Security: Focuses on securing Linux systems through authentication, firewalls, OS hardening, account policies, cryptography, and compliance checks.</li></ul>

>> XK0-006 Exam Answers <<

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## CompTIA Linux+ Certification Exam Sample Questions (Q88-Q93):

### NEW QUESTION # 88

A systems administrator needs to write a script that counts the number of times "FAIL" appears in a log file. If "FAIL" appears zero

times, then the administrator would like to print the message

"SUCCESS." Given the following:

Which of the following should be used before the zero to complete the script?

- A. -eq
- B. -ne
- C. -gt
- D. -lt

**Answer: A**

Explanation:

The test should check if the count of "FAIL" equals zero. The operator -eq is used for numeric equality in shell conditionals, so [ \$(grep -c FAIL /var/file.log) -eq 0 ] correctly evaluates whether the count is zero.

### NEW QUESTION # 89

A systems administrator needs to integrate a new storage array into the company's existing storage pool. The administrator wants to ensure that the server is able to detect the new storage array. Which of the following commands should the administrator use to ensure that the new storage array is presented to the systems?

- A. lsscsi
- B. lsusb
- C. lshw
- D. lspic

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The lsscsi command is used to list information about SCSI devices (including storage arrays) that are attached to the system. This is critical when integrating a new storage array because it allows the administrator to verify that the operating system detects the new device at the SCSI layer, which is the underlying interface for most enterprise storage solutions. lsscsi outputs a list of recognized SCSI devices, their device nodes, and associated information.

Other options:

B). lsusb: Lists USB devices, not storage arrays on SCSI/SATA/SAS.

C). lspic: Displays information on IPC (inter-process communication) facilities, unrelated to hardware detection.

D). lshw: Lists hardware details and can show storage, but lsscsi is specifically designed for SCSI device detection and is the most direct method for this task.

Reference:

CompTIA Linux+ Study Guide: Exam XK0-006, Sybex, Chapter 7: "Managing Storage", Section: "Identifying and Accessing Storage Devices" CompTIA Linux+ XK0-006 Objectives: Domain 4.0 - Storage and Filesystems

### NEW QUESTION # 90

A systems administrator is developing a script to copy a file if it exists and return an error if it does not. Given the following incomplete script:

Which of the following statements is missing from the script?

- A. for
  - B. else
  - C. while
- A\B.  
done

**Answer: B**

Explanation:

An else statement is required to handle the condition when the file does not exist so the script can return the error message instead of attempting the copy operation.

### NEW QUESTION # 91

A systems administrator is configuring new Linux systems and needs to enable passwordless authentication between two of the servers. Which of the following commands should the administrator use?

- A. `ssh-keyscan -t rsa && ssh-copy-id john@server2 -i ~/.ssh/key`
- B. `ssh-agent -i rsa && ssh-copy-id ~/.ssh/key john@server2`
- C. `ssh-keygen -t rsa && ssh-copy-id -i ~/.ssh/id_rsa.pub john@server2`
- D. `ssh-add -t rsa && scp -rp ~/.ssh john@server2`

**Answer: C**

Explanation:

This command generates an SSH key pair and securely copies the public key to the remote server, enabling passwordless authentication by allowing key-based SSH login between the systems.

### NEW QUESTION # 92

A systems administrator receives reports about connection issues to a secure web server. Given the following firewall and web server outputs:

Firewall output:

Status: active

To Action From

443/tcp DENY Anywhere

443/tcp (v6) DENY Anywhere (v6)

Web server output:

tcp LISTEN 0 4096 \*:443 :

Which of the following commands best resolves this issue?

- A. `ufw allow 80/tcp`
- B. `ufw disable`
- C. `ufw delete deny https/tcp`
- D. `ufw allow 4096/tcp`

**Answer: C**

Explanation:

This scenario involves firewall configuration and service accessibility, which falls under the Security domain of the CompTIA Linux+ V8 objectives. The key to resolving this issue is interpreting both the firewall output and the web server status correctly.

The web server output shows that the service is actively listening on TCP port 443, which is the standard port for HTTPS (secure web traffic). The line `tcp LISTEN 0 4096 *:443 *:*` confirms that the web server is running properly and is ready to accept incoming connections on port 443 from any interface. This indicates that the problem is not with the web server configuration itself.

However, the firewall output clearly shows that incoming connections to port 443 are being blocked. The rules `443/tcp DENY Anywhere` and `443/tcp (v6) DENY Anywhere (v6)` indicate that the Uncomplicated Firewall (UFW) is explicitly denying HTTPS traffic for both IPv4 and IPv6. As a result, external clients cannot establish a secure connection to the server, even though the service is running correctly.

To resolve this issue securely and correctly, the administrator must remove the firewall rule that denies HTTPS traffic. Option C, `ufw delete deny https/tcp`, directly removes the blocking rule while preserving the rest of the firewall configuration. This aligns with Linux+ best practices, which emphasize making precise firewall changes rather than disabling security controls entirely.

The other options are incorrect. Option A, `ufw disable`, would completely turn off the firewall, creating a significant security risk.

Option B, `ufw allow 80/tcp`, only opens HTTP traffic on port 80 and does not resolve HTTPS connectivity issues. Option D, `ufw allow 4096/tcp`, incorrectly attempts to open an internal socket backlog value rather than a valid service port.

Therefore, the correct and most secure solution is C.

### NEW QUESTION # 93

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