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**303-200: LPIC-3 Exam 303: Security, version 2.0**

**LPI 303-200**

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## QUESTION NO: 1

Which DNS label points to the DANE information used to secure HTTPS connections to <https://www.example.com/>?

- A. example.com
- B. dane.www.example.com
- C. soa.example.com
- D. [www.example.com](https://www.example.com/)
- E. \_443\_tcp.www.example.com

**ANSWER: E**

## QUESTION NO: 2

Which of the following resources of a shell and its child processes can be controlled by the Bash build-in command ulimit? (Choose THREE correct answers.)

- A. The maximum size of written files
- B. The maximum number of open file descriptors
- C. The maximum number of newly created files
- D. The maximum number of environment variables
- E. The maximum number of user processes

**ANSWER: A B E**

## QUESTION NO: 3

Which of the following practices are important for the security of private keys? (Choose TWO correct answers.)

- A. Private keys should be created on the systems where they will be used and should never leave them.
- B. private keys should be uploaded to public key servers.
- C. Private keys should be included in X509 certificates.
- D. Private keys should have a sufficient length for the algorithm used for key generation.
- E. Private keys should always be stored as plain text files without any encryption.

**ANSWER: C D**

## QUESTION NO: 4

Which of the following statements is true regarding eCryptfs?

- A. For every file in an eCryptfs directory there exists a corresponding file that contains the encrypted content.
- B. The content of all files in an eCryptfs directory is stored in an archive file similar to a tar file with an additional index to improve performance.
- C. After unmounting an eCryptfs directory, the directory hierarchy and the original file names are still visible, although, it is not possible to view the contents of the files.
- D. When a user changes his login password, the contents of his eCryptfs home directory has to be re-encrypted using his new login password.
- E. eCryptfs cannot be used to encrypt only directories that are the home directory of a regular Linux user.

**ANSWER: E**

## QUESTION NO: 5

Which of the following expressions are valid AIDE rules? (Choose TWO correct answers.)

- A. `!/var/run/*`
- B. `append: /var/log/*`
- C. `./usr=all`
- D. `#/bin/`
- E. `/etc p+i+u+g`

**ANSWER: A E**

## QUESTION NO: 6

Which of the following statements are true regarding the certificate of a Root CA? (Choose TWO correct answers.)

- A. It is a self-signed certificate.
- B. It does not include the private key of the CA
- C. It must contain a host name as the common name.
- D. It has an infinite lifetime and never expires.
- E. It must contain an X509v3 Authority extension.

**ANSWER: A B E**

## QUESTION NO: 7

Given that this device has three different keys, which of the following commands deletes only the first key?

- A. `cryptsetup luksDelKey /dev/sda 1 0`
- B. `cryptsetup luksDelkey /dev/sda 1 1`
- C. `cryptsetup luksDelKey / dev /mapper/crypt- vol 1`
- D. `cryptsetup luksDelKey / dev /mapper/crypt- vol 0`

**ANSWER: A**

## QUESTION NO: 8

When OpenVPN sends a control packet to its peer, it expects an acknowledgement in 2 seconds by default. Which of the following options changes the timeout period to 5 seconds?

- A. `-tls-timeout 5`
- B. `-tls- timeout 500`
- C. `-tls- timer 5`
- D. `-tls- timer 500`

**ANSWER: A**

## QUESTION NO: 9

Which of the following types can be specified within the Linux Audit system? (Choose THREE correct answers)

- A. Control rules
- B. File system rules
- C. Network connection rules
- D. Console rules
- E. System call rules

**ANSWER: A B E**

## QUESTION NO: 10

Which of the following configuration options makes Apache HTTPD require a client certificate for authentication?

- A. Limit valid-x509
- B. SSLRequestClientCert always
- C. Require valid-x509
- D. SSLVerifyClient require
- E. SSLPolicy valid-client-cert

**ANSWER: D**