



# LPI

## Exam 303-200

### LPIC-3 Exam 303: Security, 2.0

Version: 7.0

[ Total Questions: 60 ]

**Question No : 1**

Which of the following statements is true about chroot environments?

- A. Symbolic links to data outside the chroot path are followed, making files and directories accessible
- B. Hard links to files outside the chroot path are not followed, to increase security
- C. The chroot path needs to contain all data required by the programs running in the chroot environment
- D. Programs are not able to set a chroot path by using a function call, they have to use the command chroot
- E. When using the command chroot, the started command is running in its own namespace and cannot communicate with other processes

**Answer: C**

**Question No : 2**

Which of the following DNS record types can the command dnssec-signzone add to a zone? (Choose THREE correct answers.)

- A. ASIG
- B. NSEC
- C. NSEC3
- D. NSSIG
- E. RRSIG

**Answer: B,C,E**

**Question No : 3**

Which of the following prefixes could be present in the output of getcifsacl? (Choose **THREE** correct answers.)

- A. ACL
- B. GRANT
- C. GROUP
- D. OWNER
- E. SID

**Answer: A,C,E**

**Question No : 4**

Which of the following commands changes the source IP address to 192.0.2.11 for all IPv4 packets which go through the network interface eth0?

- A. iptables -t nat -A POSTROUTING -o eth0 -j SNAT -to-source 192.0.2.11
- B. iptables -t nat -A PREROUTING -i eth0 -j SNAT -to-source 192.0.2.11
- C. iptables -t nat -A POSTROUTING -i eth0 -j DNAT -to-source 192.0.2.11
- D. iptables -t mangle -A POSTROUTING -i eth0 -j SNAT -to-source 192.0.2.11
- E. iptables -t mangle -A POSTROUTING -o eth0 -j SNAT -to-source 192.0.2.11

**Answer: A**

**Question No : 5**

Which of the following statements describes the purpose of ndpmon?

- A. it monitors the network for neighbor discovery messages from new IPv6 hosts and routers
- B. it monitors remote hosts by periodically sending echo requests to them.
- C. it monitors the availability of a network link by querying network interfaces.
- D. It monitors the network for IPv4 nodes that have not yet migrated to IPv6.
- E. It monitors log files for failed login attempts in order to block traffic from offending network nodes

**Answer: A**

**Question No : 6 CORRECT TEXT**

Which command installs and configures a new FreeIPA server, including all sub-components, and creates a new FreeIPA domain? (Specially ONLY the command without any path or parameters).

**Answer: ipa-server-install**

[https://www.freeipa.org/images/2/2b/Installation\\_and\\_Deployment.Guidep.pdf](https://www.freeipa.org/images/2/2b/Installation_and_Deployment.Guidep.pdf)

**Question No : 7**

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 : 8**

What effect does the configuration SSLStrictSNIVHostCheck on have on an Apache HTTPD virtual host?

- A. The clients connecting to the virtual host must provide a client certificate that was issued by the same CA that issued the server's certificate.
- B. The virtual host is served only to clients that support SNI.
- C. All of the names of the virtual host must be within the same DNS zone.
- D. The virtual host is used as a fallback default for all clients that do not support SNI.
- E. Despite its configuration, the virtual host is served only on the common name and Subject Alternative Names of the server certificates.

**Answer: B**

**Question No : 9**

Which option of the openvpn command should be used to ensure that ephemeral keys are

not written to the swap space?

- A. --mlock
- B. --no-swap
- C. --root-swap
- D. --keys-no-swap

**Answer: A**

**Question No : 10**

Which of the following keywords are built-in chains for the iptables nat table? (Choose **THREE** correct answers)

- A. OUTPUT
- B. MASQUERADE
- C. PROCESSING
- D. POSTROUTING
- E. PREROUTING

**Answer: A,D,E**

**Question No : 11**

Which of the following openssl commands generates a certificate signing request (CSR) using the already existing private key contained in the file private/keypair.pem?

- A. openssl req -key private/keypair.pem -out req/csr.pem
- B. openssl req -new -key private/keypair.pem -out req/csr.pem
- C. openssl gencsr -key private/keypair.pem -out req/csr.pem
- D. openssl gencsr -new- key private/keypair.pem -out req/csr.pem

**Answer: B**

**Question No : 12**

in which path is the data, which can be altered by the sysctl command, accessible?