

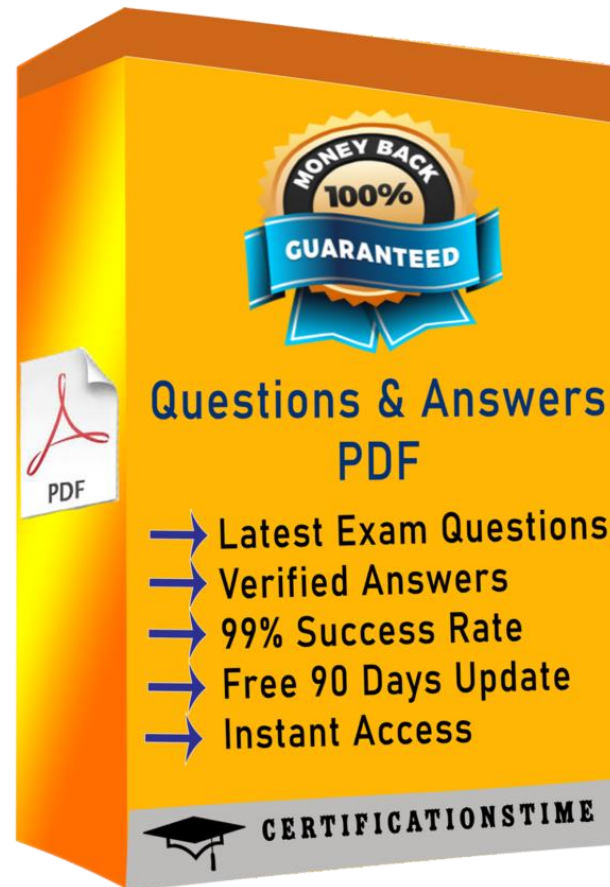


**CompTIA**

**Exam Questions CAS-002**

CompTIA Advanced Security Practitioner (CASP) Exam

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**Question: 1**

An administrator wants to enable policy based flexible mandatory access controls on an open source OS to prevent abnormal application modifications or executions. Which of the following would BEST accomplish this?

- A. Access control lists
- B. SELinux
- C. IPtablesfirewall
- D. HIPS

Answer: B

**Question: 2**

Company ABC's SAN is nearing capacity, and will cause costly downtimes if servers run out disk space. Which of the following is a more cost effective alternative to buying a new SAN?

- A. Enable multipath to increase availability
- B. Enable deduplication on the storage pools
- C. Implement snapshots to reduce virtual disk size
- D. Implement replication to offsite datacenter

Answer: B

**Question: 3**

A systems administrator establishes a CIFS share on a UNIX device to share data to Windows systems.

The security authentication on the Windows domain is set to the highest level. Windows users are stating that they cannot authenticate to the UNIX share. Which of the following settings on the UNIX server would correct this problem?

- A. Refuse LM and only accept NTLMv2
- B. Accept only LM
- C. Refuse NTLMv2 and accept LM
- D. Accept only NTLM

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Answer: A

**Question: 4**

A security architect is designing a new infrastructure using both type 1 and type 2 virtual machines.

In addition to the normal complement of security controls (e.g. antivirus, host hardening, HIPS/NIDS)

the security architect needs to implement a mechanism to securely store cryptographic keys used to

sign code and code modules on the VMs. Which of the following will meet this goal without requiring

any hardware pass-through implementations?

- A. vTPM
- B. HSM
- C. TPM
- D. INE

Answer: A

**Question: 5**

A user has a laptop configured with multiple operating system installations. The operating systems are all installed on a single SSD, but each has its own partition and logical volume. Which of the following is the BEST way to ensure confidentiality of individual operating system data?

- A. Encryption of each individual partition
- B. Encryption of the SSD at the file level
- C. FDE of each logical volume on the SSD
- D. FDE of the entire SSD as a single disk

Answer: A

**Question: 6**

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After being notified of an issue with the online shopping cart, where customers are able to arbitrarily change the price of listed items, a programmer analyzes the following piece of code used by a web based shopping cart.

```
SELECT ITEM FROM CART WHERE ITEM=ADDSLASHES($USERINPUT);
```

The programmer found that every time a user adds an item to the cart, a temporary file is created on the web server /tmp directory. The temporary file has a name which is generated by concatenating the content of the \$USERINPUT variable and a timestamp in the form of MM-DD-YYYY, (e.g.

smartphone-12-25-2013.tmp) containing the price of the item being purchased. Which of the following is MOST likely being exploited to manipulate the price of a shopping cart's items?

- A. Input validation
- B. SQL injection
- C. TOCTOU
- D. Session hijacking

Answer: C

### Question: 7

The administrator is troubleshooting availability issues on an FCoE-based storage array that uses

deduplication. The single controller in the storage array has failed, so the administrator wants to move the drives to a storage array from a different manufacturer in order to access the data

a. Which of the following issues may potentially occur?

- A. The data may not be in a usable format.
- B. The new storage array is not FCoE based.
- C. The data may need a file system check.
- D. The new storage array also only has a single controller.

Answer: A

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