



**Vendor:** CompTIA

**Exam Code:** CAS-003

**Exam Name:** CompTIA Advanced Security Practitioner  
(CASP)

**Version:** DEMO

### QUESTION 1

A security consultant is attempting to discover if the company is utilizing databases on client machines to store the customer data. The consultant reviews the following information:

| Protocol | Local Address     | Foreign Address  | Status                 |
|----------|-------------------|------------------|------------------------|
| TCP      | 127.0.0.1         | 172.16.10.101:25 | Connection established |
| TCP      | 127.0.0.1         | 172.16.20.45:443 | Connection established |
| UDP      | 127.0.0.1         | 172.16.20.80:53  | Waiting listening      |
| TCP      | 172.16.10.10:1433 | 172.16.10.34     | Connection established |

Which of the following commands would have provided this output?

- A. arp -s
- B. netstat -a
- C. ifconfig -arp
- D. sqlmap -w

**Answer: B**

### QUESTION 2

A security administrator wants to allow external organizations to cryptographically validate the company's domain name in email messages sent by employees. Which of the following should the security administrator implement?

- A. SPF
- B. S/MIME
- C. TLS
- D. DKIM

**Answer: D**

### QUESTION 3

A large enterprise with thousands of users is experiencing a relatively high frequency of malicious activity from the insider threats. Much of the activity appears to involve internal reconnaissance that results in targeted attacks against privileged users and network file shares. Given this scenario, which of the following would MOST likely prevent or deter these attacks? (Choose two.)

- A. Conduct role-based training for privileged users that highlights common threats against them and covers best practices to thwart attacks
- B. Increase the frequency at which host operating systems are scanned for vulnerabilities, and decrease the amount of time permitted between vulnerability identification and the application of corresponding patches
- C. Enforce command shell restrictions via group policies for all workstations by default to limit which native operating system tools are available for use
- D. Modify the existing rules of behavior to include an explicit statement prohibiting users from enumerating user and file directories using available tools and/or accessing visible resources that do not directly pertain to their job functions
- E. For all workstations, implement full-disk encryption and configure UEFI instances to require

- complex passwords for authentication
- F. Implement application blacklisting enforced by the operating systems of all machines in the enterprise

**Answer:** CD

**QUESTION 4**

A team is at the beginning stages of designing a new enterprise-wide application. The new application will have a large database and require a capital investment in hardware. The Chief Information Officer (IO) has directed the team to save money and reduce the reliance on the datacenter, and the vendor must specialize in hosting large databases in the cloud. Which of the following cloud-hosting options would BEST meet these needs?

- A. Multi-tenancy SaaS
- B. Hybrid IaaS
- C. Single-tenancy PaaS
- D. Community IaaS

**Answer:** C

**QUESTION 5**

Drag and Drop Question

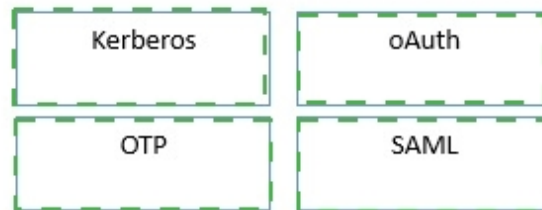
A security consultant is considering authentication options for a financial institution. The following authentication options are available security mechanism to the appropriate use case. Options may be used once.

| Use case   | Security mechanism   |
|--|----------------------|
| Where users are attached to the corporate network, single sign-on will be utilized | <input type="text"/> |
| Authentication to cloud-based corporate portals will feature single sign-on        | <input type="text"/> |
| Any infrastructure portal will require time-based authentication                   | <input type="text"/> |
| Customers will have delegated access to multiple digital services                  | <input type="text"/> |

|          |       |
|----------|-------|
| Kerberos | OAuth |
| OTP      | SAML  |

**Answer:**

| Use case   | Security mechanism |
|--|--------------------|
| Where users are attached to the corporate network, single sign-on will be utilized | oAuth              |
| Authentication to cloud-based corporate portals will feature single sign-on        | SAML               |
| Any infrastructure portal will require time-based authentication                   | OTP                |
| Customers will have delegated access to multiple digital services                  | Kerberos           |



**QUESTION 6**

Legal authorities notify a company that its network has been compromised for the second time in two years. The investigation shows the attackers were able to use the same vulnerability on different systems in both attacks. Which of the following would have allowed the security team to use historical information to protect against the second attack?

- A. Key risk indicators
- B. Lessons learned
- C. Recovery point objectives
- D. Tabletop exercise

**Answer: A**

**QUESTION 7**

A security engineer has implemented an internal user access review tool so service teams can baseline user accounts and group memberships. The tool is functional and popular among its initial set of onboarded teams. However, the tool has not been built to cater to a broader set of internal teams yet. The engineer has sought feedback from internal stakeholders, and a list of summarized requirements is as follows:

- \* The tool needs to be responsive so service teams can query it, and then perform an automated response action.

- The tool needs to be resilient to outages so service teams can perform the user access review at any point in time and meet their own SLAs.
- The tool will become the system-of-record for approval, reapproval, and removal life cycles of group memberships and must allow for data retrieval after failure.

Which of the following need specific attention to meet the requirements listed above? (Choose three.)

- A. Scalability
- B. Latency
- C. Availability
- D. Usability
- E. Recoverability
- F. Maintainability

**Answer:** BCE

**QUESTION 8**

After investigating virus outbreaks that have cost the company \$1,000 per incident, the company's Chief Information Security Officer (CISO) has been researching new antivirus software solutions to use and be fully supported for the next two years. The CISO has narrowed down the potential solutions to four candidates that meet all the company's performance and capability requirements:

|           | Solution Cost | Year 1 Support | Year 2 Support | Estimated Yearly Incidents |
|-----------|---------------|----------------|----------------|----------------------------|
| Product A | \$10,000      | \$3,000        | \$1,000        | 1                          |
| Product B | \$14,250      | \$1,000        | \$1,000        | 0                          |
| Product C | \$9,500       | \$2,000        | \$2,000        | 1                          |
| Product D | \$7,000       | \$1,000        | \$2,000        | 2                          |
| Product E | \$7,000       | \$4,000        | \$4,000        | 0                          |

Using the table above, which of the following would be the BEST business-driven choice among five possible solutions?

- A. Product A
- B. Product B
- C. Product C
- D. Product D
- E. Product E

**Answer:** E

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