



# CAS-004<sup>Q&As</sup>

CompTIA Advanced Security Practitioner (CASP+)

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### QUESTION 1

An organization is implementing a new identity and access management architecture with the following objectives:

1.

Supporting MFA against on-premises infrastructure

2.

Improving the user experience by integrating with SaaS applications

3.

Applying risk-based policies based on location

4.

Performing just-in-time provisioning

Which of the following authentication protocols should the organization implement to support these requirements?

A. Kerberos and TACACS

B. SAML and RADIUS

C. OAuth and OpenID

D. OTP and 802.1X

Correct Answer: B

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### QUESTION 2

A security engineer is troubleshooting an issue in which an employee is getting an IP address in the range on the wired network. The engineer plus another PC into the same port, and that PC gets an IP address in the correct range. The engineer then puts the employee's PC on the wireless network and finds the PC still not get an IP address in the proper range. The PC is up to date on all software and antivirus definitions, and the IP address is not an APIPA address.

Which of the following is MOST likely the problem?

A. The company is using 802.1x for VLAN assignment, and the user or computer is in the wrong group.

B. The DHCP server has a reservation for the PC's MAC address for the wired interface.

C. The WiFi network is using WPA2 Enterprise, and the computer certificate has the wrong IP address in the SAN field.

D. The DHCP server is unavailable, so no IP address is being sent back to the PC.

Correct Answer: A

**QUESTION 3**

A security consultant has been asked to identify a simple, secure solution for a small business with a single access point. The solution should have a single SSID and no guest access. The customer facility is located in a crowded area of town, so there is a high likelihood that several people will come into range every day. The customer has asked that the solution require low administrative overhead and be resistant to offline password attacks. Which of the following should the security consultant recommend?

- A. WPA2-Preshared Key
- B. WPA3-Enterprise
- C. WPA3-Personal
- D. WPA2-Enterprise

Correct Answer: C

WPA3-personal has lower administrative overhead

Given the specific requirements and considerations for a small business with a single access point, no guest access, and a desire for a simple, secure solution with low administrative overhead, WPA3-Personal is the most appropriate recommendation.

WPA3-Personal offers strong security features and is resistant to offline password attacks. It provides robust encryption and authentication mechanisms, making it a suitable choice for securing a small business network with a single access point.

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**QUESTION 4**

A software company wants to build a platform by integrating with another company's established product. Which of the following provisions would be MOST important to include when drafting an agreement between the two companies?

- A. Data sovereignty
- B. Shared responsibility
- C. Source code escrow
- D. Safe harbor considerations

Correct Answer: B

When drafting an agreement between two companies, it is important to clearly define the responsibilities of each party. This is particularly relevant when a software company is looking to integrate with an established product. A shared responsibility agreement ensures that both parties understand their respective responsibilities and are able to work together efficiently and effectively. For example, the software company might be responsible for integrating the product and ensuring it meets user needs, while the established product provider might be responsible for providing ongoing support and maintenance. By outlining these responsibilities in the agreement, both parties can ensure that the platform is built and maintained successfully. References: CompTIA Advanced Security Practitioner (CASP+) Study Guide, Chapter 8, Working with Third Parties.



### QUESTION 5

An organization recently started processing, transmitting, and storing its customers' credit card information. Within a week of doing so, the organization suffered a massive breach that resulted in the exposure of the customers' information. Which of the following provides the BEST guidance for protecting such information while it is at rest and in transit?

- A. NIST
- B. GDPR
- C. PCI DSS
- D. ISO

Correct Answer: C

Reference: [https://en.wikipedia.org/wiki/Payment\\_Card\\_Industry\\_Data\\_Security\\_Standard](https://en.wikipedia.org/wiki/Payment_Card_Industry_Data_Security_Standard)

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