



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

CompTIA Advanced Security Practitioner (CASP+)

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**QUESTION 1**

A network administrator receives a ticket regarding an error from a remote worker who is trying to reboot a laptop. The laptop has not yet loaded the operating system, and the user is unable to continue the boot process. The administrator is able to provide the user with a recovery PIN, and the user is able to reboot the system and access the device as needed. Which of the following is the MOST likely cause of the error?

- A. Lockout of privileged access account
- B. Duration of the BitLocker lockout period
- C. Failure of the Kerberos time drift sync
- D. Failure of TPM authentication

Correct Answer: D

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**QUESTION 2**

A company's employees are not permitted to access company systems while traveling internationally. The company email system is configured to block logins based on geographic location, but some employees report their mobile phones

continue to sync email while traveling.

Which of the following is the MOST likely explanation? (Choose two.)

- A. Outdated geographic IP information
- B. Privilege escalation attack
- C. VPN on the mobile device
- D. Unrestricted email administrator accounts
- E. Client use of UDP protocols
- F. Disabled GPS on mobile devices

Correct Answer: CF

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**QUESTION 3**

A bank has multiple subsidiaries that have independent infrastructures. The bank's support teams manage all these environments and want to use a single set of credentials. Which of the following is the BEST way to achieve this goal?

- A. SSO
- B. Federation



C. Cross-domain

D. Shared credentials

Correct Answer: B

This is federation. SSO is single credentials to access multiple applications or resources within a single domain/org, whereas federation allows single sign on to application across multiple domains or organization. Since the subsidiaries have independent infrastructures, this is federation. <https://www.pingidentity.com/en/resources/blog/post/sso-vs-federated-identity-management.html>

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#### QUESTION 4

A hospital is deploying new imaging softwares that requires a web server for access to image for both local and remote users. The web server allows user authentication via secure LDAP. The information security officer wants to ensure the server does not allow unencrypted access to the imaging server by using Nmap to gather additional information. Given the following:

1.

The imaging server IP is 192.168.101.24

2.

The domain controller IP is 192.168.100.1

3.

The client machine IP is 192.168.200.37

Which of the following should be used to confirm this is the only open port on the web server?

A. nmap "p 80,443 192.168.101.24

B. nmap "p 80,443,389,636 192.168.100.1

C. nmap "p 80,389 192.168.200.37

D. nmap "p" 192.168.101.24

Correct Answer: B

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#### QUESTION 5

A systems engineer needs to develop a solution that uses digital certificates to allow authentication to laptops. Which of the following authenticator types would be most appropriate for the engineer to include in the design?

A. TOTP token

B. Device certificate

C. Smart card



D. Biometric

Correct Answer: B

Using digital certificates for authentication is a secure method to control access to laptops and other devices. A device certificate can serve as an authenticator by providing a means for the device to prove its identity in a cryptographic manner. This certificate-based authentication is commonly used in enterprise environments for strong authentication.

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