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**QUESTION 1**

The Chief Executive Officer (CEO) of a corporation decided to move all email to a cloud computing environment. The Chief Information Security Officer (CISO) was told to research the risk involved in this environment.

Which of the following measures should be implemented to minimize the risk of hosting email in the cloud?

- A. Remind users that all emails with sensitive information need be encrypted and physically inspect the cloud computing.
- B. Ensure logins are over an encrypted channel and obtain an NDA and an SLA from the cloud provider.
- C. Ensure logins are over an encrypted channel and remind users to encrypt all emails that contain sensitive information.
- D. Obtain an NDA from the cloud provider and remind users that all emails with sensitive information need be encrypted.

Correct Answer: B

QUESTION 2

The threat abatement program manager tasked the software engineer with identifying the fastest implementation of a hash function to protect passwords with the least number of collisions. Which of the following should the software engineer implement to best meet the requirements?

- A. hash = sha512(password + salt); for (k = 0; k
- B. hash = md5(password + salt); for (k = 0; k
- C. hash = sha512(password + salt); for (k = 0; k
- D. hash1 = sha1(password + salt); hash = sha1 (hash1);

Correct Answer: C

QUESTION 3

Two separate companies are in the process of integrating their authentication infrastructure into a unified single sign-on system. Currently, both companies use an AD backend and two factor authentication using TOTP. The system administrators have configured a trust relationship between the authentication backend to ensure proper process flow. How should the employees request access to shared resources before the authentication integration is complete?

- A. They should logon to the system using the username concatenated with the 6-digit code and their original password.
- B. They should logon to the system using the newly assigned global username: first.lastname##### where ##### is the second factor code.
- C. They should use the username format: LAN\first.lastname together with their original password and the next 6-digit code displayed when the token button is depressed.



D. They should use the username format: first.lastname@company.com, together with a password and their 6-digit code.

Correct Answer: D

QUESTION 4

The company is considering issuing non-standard tablet computers to executive management. Which of the following is the FIRST step the security manager should perform?

- A. Apply standard security policy settings to the devices.
- B. Set up an access control system to isolate the devices from the network.
- C. Integrate the tablets into standard remote access systems.
- D. Develop the use case for the devices and perform a risk analysis.

Correct Answer: D

QUESTION 5

A well-known retailer has experienced a massive credit card breach. The retailer had gone through an audit and had been presented with a potential problem on their network. Vendors were authenticating directly to the retailer's AD servers, and an improper firewall rule allowed pivoting from the AD server to the DMZ where credit card servers were kept. The firewall rule was needed for an internal application that was developed, which presents risk. The retailer determined that because the vendors were required to have site to site VPN's no other security action was taken.

To prove to the retailer the monetary value of this risk, which of the following type of calculations is needed?

- A. Residual Risk calculation
- B. A cost/benefit analysis
- C. Quantitative Risk Analysis
- D. Qualitative Risk Analysis

Correct Answer: C

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