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**QUESTION 1**

A health service provider is considering the impact of allowing doctors and nurses access to the internal email system from their personal smartphones. The Information Security Officer (ISO) has received a technical document from the security administrator explaining that the current email system is capable of enforcing security policies to personal smartphones, including screen lockout and mandatory PINs. Additionally, the system is able to remotely wipe a phone if reported lost or stolen.

Which of the following should the Information Security Officer be MOST concerned with based on this scenario? (Select THREE).

- A. The email system may become unavailable due to overload.
- B. Compliance may not be supported by all smartphones.
- C. Equipment loss, theft, and data leakage.
- D. Smartphone radios can interfere with health equipment.
- E. Data usage cost could significantly increase.
- F. Not all smartphones natively support encryption.
- G. Smartphones may be used as rogue access points.

Correct Answer: BCF

QUESTION 2

The Chief Information Security Officer (CISO) at a software development company is concerned about the lack of introspection during a testing cycle of the company's flagship product. Testing was conducted by a small offshore consulting

firm and the report by the consulting firm clearly indicates that limited test cases were used and many of the code paths remained untested.

The CISO raised concerns about the testing results at the monthly risk committee meeting, highlighting the need to get to the bottom of the product behaving unexpectedly in only some large enterprise deployments.

The Security Assurance and Development teams highlighted their availability to redo the testing if required.

Which of the following will provide the MOST thorough testing?

- A. Have the small consulting firm redo the Black box testing.
- B. Use the internal teams to perform Grey box testing.
- C. Use the internal team to perform Black box testing.
- D. Use the internal teams to perform White box testing.



E. Use a larger consulting firm to perform Black box testing.

Correct Answer: D

QUESTION 3

A startup company offering software on demand has hired a security consultant to provide expertise on data security. The company's clients are concerned about data confidentiality. The security consultant must design an environment with data confidentiality as the top priority, over availability and integrity.

Which of the following designs is BEST suited for this purpose?

A. All of the company servers are virtualized in a highly available environment sharing common hardware and redundant virtual storage. Clients use terminal service access to the shared environment to access the virtualized applications. A secret key kept by the startup encrypts the application virtual memory and data store.

B. All of the company servers are virtualized in a highly available environment sharing common hardware and redundant virtual storage. Clients use terminal service access to the shared environment and to access the virtualized applications. Each client has a common shared key, which encrypts the application virtual memory and data store.

C. Each client is assigned a set of virtual hosts running shared hardware. Physical storage is partitioned into LUNS and assigned to each client. MPLS technology is used to segment and encrypt each of the client's networks. PKI based remote desktop with hardware tokens is used by the client to connect to the application.

D. Each client is assigned a set of virtual hosts running shared hardware. Virtual storage is partitioned and assigned to each client. VLAN technology is used to segment each of the client's networks. PKI based remote desktop access is used by the client to connect to the application.

Correct Answer: C

QUESTION 4

The organization has an IT driver on cloud computing to improve delivery times for IT solution provisioning. Separate to this initiative, a business case has been approved for replacing the existing banking platform for credit card processing with a newer offering. It is the security practitioner's responsibility to evaluate whether the new credit card processing platform can be hosted within a cloud environment.

Which of the following BEST balances the security risk and IT drivers for cloud computing?

A. A third-party cloud computing platform makes sense for new IT solutions. This should be endorsed going forward so as to align with the IT strategy. However, the security practitioner will need to ensure that the third-party cloud provider does regular penetration tests to ensure that all data is secure.

B. Using a third-party cloud computing environment should be endorsed going forward. This aligns with the organization's strategic direction. It also helps to shift any risk and regulatory compliance concerns away from the company's internal IT department. The next step will be to evaluate each of the cloud computing vendors, so that a vendor can then be selected for hosting the new credit card processing platform.

C. There may be regulatory restrictions with credit cards being processed out of country or processed by shared hosting providers. A private cloud within the company should be considered. An options paper should be created which outlines the risks, advantages, disadvantages of relevant choices and it should recommended a way forward.



D. Cloud computing should rarely be considered an option for any processes that need to be significantly secured. The security practitioner needs to convince the stakeholders that the new platform can only be delivered internally on physical infrastructure.

Correct Answer: C

QUESTION 5

A database administrator comes across the below records in one of the databases during an internal audit of the payment system:

UserID Address Credit Card No. Password
jsmith 123 fake street 55XX-XXX-XXXX-1397 Password100
jqdoe 234 fake street 42XX-XXX-XXXX-2027 17DEC12

From a security perspective, which of the following should be the administrator's GREATEST concern, and what will correct the concern?

- A. Concern: Passwords are stored in plain text. Correction: Require a minimum of 8 alphanumeric characters and hash the password.
- B. Concern: User IDs are also usernames, and could be enumerated, thereby disclosing sensitive account information. Correction: Require user IDs to be more complex by using alphanumeric characters and hash the UserIDs.
- C. Concern: User IDs are confidential private information. Correction: Require encryption of user IDs.
- D. Concern: More than four digits within a credit card number are stored. Correction: Only store the last four digits of a credit card to protect sensitive financial information.

Correct Answer: A

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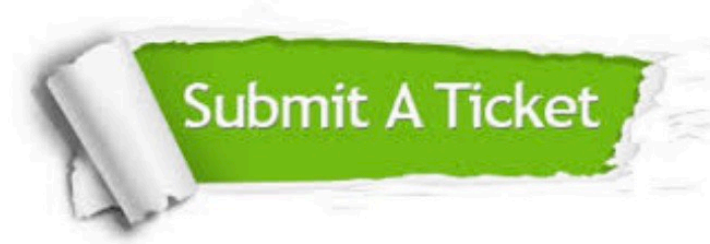
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