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QUESTION 1

Compliance is described as dutifulness, obligingness, pliability, tolerance, and tractability. Which of the following are multitude of standards that a project must comply?

Each correct answer represents a complete solution. Choose all that apply.

- A. Process compliance
- B. Decision oversight
- C. Control compliance
- D. Standards compliance

Correct Answer: ABD

Compliance is described as dutifulness, obligingness, pliability, tolerance, and tractability. Compliance means that an organization must take care of organization's internal regulations, as well as follow the laws of the country and requirements of local legislation and regulations. It may result in conflicts.

Projects must comply with a multitude of standards. Those include the following:

Standards compliance: Local, state, and federal government

Process compliance: Audit trails, retention, version control

Decision oversight: Change Control Board

QUESTION 2

Which of the following are the benefits of the Single sign-on? Each correct answer represents a complete solution. Choose three.

- A. Reducing password fatigue from different user name and password combinations
- B. Increasing IT costs due to lower number of IT help desk calls about passwords
- C. Centralized reporting for compliance adherence
- D. Security on all levels of entry/exit/access to systems without the inconvenience of re-prompting users

Correct Answer: ACD

Following are the benefits of the Single sign-on:

Reduces phishing success, because users are not trained to enter password everywhere without thinking.

Reducing password fatigue from different user name and password combinations.

Reducing time spent re-entering passwords for the same identity.

Can support conventional authentications, such as windows credentials (i.e., username/password).



Reducing IT costs due to lower number of IT help desk calls about passwords.

Security on all levels of entry/exit/access to systems without the inconvenience of re-prompting users.

Centralized reporting for compliance adherence.

QUESTION 3

Which of the following solutions best accomplishes storage integration?

- A. Virtualization
- B. Cloud computing
- C. Co-location
- D. Raid 5

Correct Answer: B

Cloud computing uses integrated storage across multiple servers, sometimes in diverse locations (such as Apples iCloud).

Answer option C is incorrect. Co-location involves placing all the servers in one location. There is no shared storage.

Answer option D is incorrect. Raid 5 is a method of having hard drive failover in a single server.

Answer option A is incorrect. Virtualized systems are usually completely isolated from each other, thus preventing storage integration.

QUESTION 4

Which of the following security measures would be most effective against a memory exhaustion DoS attack?

- A. SPI Firewall
- B. Secure programming
- C. Checking user inputs
- D. Truncating buffers

Correct Answer: B

Memory exhaustion happens when a flaw in an application allows the application to keep consuming more memory leaving none available for other applications. Answer option C is incorrect. Checking user inputs is an effective defense against SQL injection attacks, but not memory exhaustion attacks.

Answer option D is incorrect. Truncating buffers is an effective defense against a buffer overflow attack, .but not against memory exhaustion attacks.

Answer option A is incorrect. An SPI firewall is effective in stopping a syn flood, but would not help against a memory



exhaustion attack.

QUESTION 5

Which of the following statements are true about capability-based security?

- A. It is a concept in the design of secure computing systems, one of the existing security models.
- B. It is a computer security model based on the Actor model of computation.
- C. It is a scheme used by some computers to control access to memory.
- D. It is a concept in the design of secure computing systems.

Correct Answer: D

Capability-based security is a concept in the design of secure computing systems. A capability (known in some systems as a key) is a communicable, unforgivable token of authority. It refers to a value that references an object along with an associated set of access rights. A user program on a capability-based operating system must use a capability to access an object. Capability-based security refers to the principle of designing user programs such that they directly share capabilities with each other according to the principle of least privilege, and to the operating system infrastructure necessary to make such transactions efficient and secure.

Although most operating systems implement a facility which resembles capabilities, they typically do not provide enough support to allow for the exchange of capabilities among possibly mutually untrusting entities to be the primary means of granting and distributing access rights throughout the system. A capability-based system, in contrast, is designed with that goal in mind. Answer options B, C, and A are incorrect. These are not correct statements about capability-based security.

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