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QUESTION 1

A software company is analyzing a process that detects software vulnerabilities at the earliest stage possible. The goal is to scan the source looking for unsecure practices and weaknesses before the application is deployed in a runtime environment. Which of the following would BEST assist the company with this objective?

A. Use fuzzing testing

B. Use a web vulnerability scanner

C. Use static code analysis

D. Use a penetration-testing OS

Correct Answer: C

Fuzzing

Fuzzing or fuzz testing is an automated software testing technique that involves providing invalid, unexpected, or random data as inputs to a computer program. The program is then monitored for exceptions such as crashes, failing built-in

code assertions, or potential memory leaks.

Static program analysis

Static program analysis is the analysis of computer software performed without executing any programs, in contrast with dynamic analysis, which is performed on programs during their execution. What is static code analysis? Static code

analysis is a method of debugging by examining source code before a program is run. It\\'s done by analyzing a set of code against a set (or multiple sets) of coding rules. ... This type of analysis addresses weaknesses in source code that

might lead to vulnerabilities.

Penetration test

A penetration test, colloquially known as a pen test or ethical hacking, is an authorized simulated cyberattack on a computer system, performed to evaluate the security of the system; this is not to be confused with a vulnerability assessment.

QUESTION 2

A database administrator wants to grant access to an application that will be reading and writing data to a database. The database is shared by other applications also used by the finance department Which of the following account types Is MOST appropriate for this purpose?

A. Service

B. Shared

C. eneric

D. Admin

Correct Answer: A

The study guide explicitly states that generic accounts are for many different individuals doing the same work whereas a service account is explicitly for a application/service to run its work.

QUESTION 3

A large retail store\\'s network was breached recently, and this news was made public. The store did not lose any intellectual property, and no customer information was stolen. Although no fines were incurred as a result, the store lost revenue after the breach. Which of the following is the most likely reason for this issue?

A. Employee training

B. Leadership changes

C. Reputation damage

D. Identity theft

Correct Answer: C

Even though no intellectual property or customer information was stolen, the fact that the breach became public knowledge could have significantly damaged the store\\'s reputation. Customers may lose trust in the store\\'s ability to protect their data and personal information, leading to a decline in sales and customer loyalty. A damaged reputation can result in negative publicity, reduced customer confidence, and a decrease in the store\\'s overall market value, all of which can impact the company\\'s revenue and profitability.

QUESTION 4

An organization Chief information Security Officer a position that will be responsibles for implementing technical controls to protect data, include ensuring backups are properly maintained. Which of the following roles would MOST likely include these responsibilities?

A. Data protection officer

B. Data owner

C. Backup administrator

D. Data custodian

E. Internal auditor

Correct Answer: D

Data Custodians The primary responsibilities of a data custodian are: Maintain physical and system security including physical security of servers and data user security as determined appropriate by the Data Trustees or Data Stewards. Ensure adequate system backups and disaster recovery plans.

https://www.belmont.edu/oair/data-governance/role-data-custodians.html#:~:text=Data%20Custodiansandtext=The%20 primary%20responsibilities%20of%20a,backups%20and%20disaster%20recovery%20plans.

QUESTION 5

Which of the technologies is used to actively monitor for specific file types being transmitted on the network?

A. File integrity monitoring

B. Honeynets

C. Tcpreplay

D. Data loss prevention

Correct Answer: D

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