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Exam : DS0-001

Title : CompTIA DataSys+ Certification Exam

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CompTIA DS0-001 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Data and Database Security: This topic focuses on data security concepts, governance and regulatory compliance purposes, implementing authentication and authorization policies and best practices. Additionally, the topic discusses database infrastructure security, and understanding types of attacks and their effects on data systems.
Topic 2	<ul style="list-style-type: none">• Database Deployment: In this topic, you'll find discussions on database planning and design aspects. It also focuses on the implementation, testing, and deployment phases of databases.

Topic 3	<ul style="list-style-type: none"> Database Fundamentals: This topic covers database structure types, SQL code development and modification based on scenarios, comparison of scripting methods and environments, and the impact of programming on database operations.
Topic 4	<ul style="list-style-type: none"> Business Continuity: Finally, this topic covers the importance of disaster recovery techniques. Moreover, the topic explains backup and restore best practices and processes.
Topic 5	<ul style="list-style-type: none"> Database Management and Maintenance: Here, you'll learn about monitoring and reporting for database management and performance, common database maintenance processes, documentation production, and relevant tools usage. Lastly, the topic focuses on implementing data management tasks.

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New CompTIA DS0-001 Test Blueprint - DS0-001 Detailed Study Dumps

To succeed on the CompTIA DS0-001 exam, you require a specific CompTIA DS0-001 exam environment to practice. But before settling on any one method, you make sure that it addresses their specific concerns about the DS0-001 exam, such as whether or not the platform they are joining will aid them in passing the CompTIA DataSys+ Certification Exam (DS0-001) exam on the first try, whether or not it will be worthwhile, and will it provide the necessary DS0-001 Questions.

CompTIA DataSys+ Certification Exam Sample Questions (Q41-Q46):

NEW QUESTION # 41

Following a security breach, a database administrator needs to ensure users cannot change data unless a request is approved by the management team. Which of the following principles addresses this issue?

- A. Least resistance
- B. Elevated privilege
- C. Open access
- D. Least privilege

Answer: D

Explanation:

The principle that addresses this issue is least privilege. Least privilege is a security principle that states that users should only have the minimum level of access or permissions required to perform their tasks or roles.

By applying this principle, the administrator can ensure that users cannot change data unless they have been authorized by the management team through a request approval process. This prevents unauthorized or accidental modifications of data that may compromise its integrity or security. The other options are either opposite or unrelated to this principle. For example, open access means that users have unrestricted access to data; least resistance means that users have the easiest or most convenient access to data; elevated privilege means that users have higher or more permissions than they need. References: CompTIA DataSys+ Course Outline, Domain 4.0 Data and Database Security, Objective 4.1 Given a scenario, apply security principles and best practices for databases.

NEW QUESTION # 42

A database system crashed during a routine migration process. Which of the following should the systems administrator refer to for guidance in this situation?

- A. The access control policy
- B. The database compliance policy
- C. The continuity of operations policy
- D. The data retention policy

Answer: C

Explanation:

The continuity of operations policy provides guidelines and procedures for maintaining or restoring essential functions during and

after disruptions like a database crash.

NEW QUESTION # 43

Which of the following is a potential issue raised by enterprise database users?

- A. The need for concurrent access and multiuser updates
- B. The need for multiple views or windows into the same database
- C. The need to manage long transactions
- D. The need to manually transfer records to paper

Answer: A

Explanation:

A potential issue raised by enterprise database users is the need for concurrent access and multiuser updates.

Concurrent access means that multiple users can access the same data at the same time, while multiuser updates mean that multiple users can modify the same data at the same time. These features are essential for enterprise database users who need to share and collaborate on data in real time. However, they also pose challenges such as maintaining data consistency, preventing conflicts or errors, and ensuring transaction isolation and durability. The other options are either not issues or not specific to enterprise database users. For example, the need for multiple views or windows into the same database may be a preference or a convenience, but not an issue; the need to manage long transactions may be a challenge for any database user, not just enterprise ones; the need to manually transfer records to paper may be an outdated or inefficient practice, but not an issue. References: CompTIA DataSys+ Course Outline, Domain 1.0 Database Fundamentals, Objective 1.3 Given a scenario, identify common database issues.

NEW QUESTION # 44

Which of the following concepts applies to situations that require court files to be scanned for permanent reference and original documents be stored for ten years before they can be discarded?

- A. Data classification
- B. Data retention policies
- C. Data loss prevention
- D. Global regulations

Answer: B

Explanation:

The concept that applies to situations that require court files to be scanned for permanent reference and original documents be stored for ten years before they can be discarded is data retention policies. Data retention policies are rules or guidelines that specify how long data should be kept and when it should be deleted or archived. Data retention policies are often based on legal, regulatory, or business requirements, and help organizations manage their data lifecycle, storage, and compliance. The other options are either not related or not specific to this situation. For example, data loss prevention is a process that aims to prevent data from being leaked, stolen, or corrupted; data classification is a process that assigns labels or categories to data based on its sensitivity, value, or risk; global regulations are laws or standards that apply to data across different countries or regions. References: CompTIA DataSys+ Course Outline, Domain 4.0 Data and Database Security, Objective 4.1 Given a scenario, apply security principles and best practices for databases.

NEW QUESTION # 45

A database administrator needs to provide access to data from two different tables to multiple group users in order to facilitate ongoing reporting. However, some columns in each table are restricted, and users should not be able to see the values in these columns.

Which of the following is the best action for the administrator to take?

- A. Create a trigger.
- B. Create a view.
- C. Create a stored procedure.
- D. Create a csv export.

Answer: B

Explanation:

The best action for the administrator to take is to create a view. A view is a virtual table that shows a subset of data from one or more tables. The administrator can use a view to provide access to data from two different tables to multiple group users without exposing the restricted columns. The view can also simplify the queries and improve the performance of the reporting process. The other options are either not suitable for this scenario or do not address the requirement of hiding some columns from users. For example, creating a stored procedure would require additional coding and execution, creating a csv export would create a static file that may not reflect the latest data changes, and creating a trigger would perform an action in response to an event rather than provide access to data. Reference: CompTIA DataSys+ Course Outline, Domain 2.0 Database Deployment, Objective 2.2 Given a scenario, create database objects using scripting and programming languages.

NEW QUESTION # 46

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