

Efficient DEA-C01 - New SnowPro Advanced: Data Engineer Certification Exam Study Plan

Snowflake SnowPro Advanced Data Engineer 42 Real Exam Question and Answers



Snowflake
DEA-C01



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The modern Snowflake world is changing its dynamics at a fast pace. To stay and compete in this challenging market, you have to learn and enhance your in-demand skills. Fortunately, with the SnowPro Advanced: Data Engineer Certification Exam (DEA-C01) certification exam you can do this job nicely and quickly. To do this you just need to enroll in the SnowPro Advanced: Data Engineer Certification Exam (DEA-C01) certification exam and put all your efforts to pass the SnowPro Advanced: Data Engineer Certification Exam (DEA-C01) certification exam.

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Snowflake DEA-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Storage and Data Protection: The topic tests the implementation of data recovery features and the understanding of Snowflake's Time Travel and micro-partitions. Engineers are evaluated on their ability to create new environments through cloning and ensure data protection, highlighting essential skills for maintaining Snowflake data integrity and accessibility.
Topic 2	<ul style="list-style-type: none">Security: The Security topic of the DEA-C01 test covers the principles of Snowflake security, including the management of system roles and data governance. It measures the ability to secure data and ensure compliance with policies, crucial for maintaining secure data environments for Snowflake Data Engineers and Software Engineers.
Topic 3	<ul style="list-style-type: none">Performance Optimization: This topic assesses the ability to optimize and troubleshoot underperforming queries in Snowflake. Candidates must demonstrate knowledge in configuring optimal solutions, utilizing caching, and monitoring data pipelines. It focuses on ensuring engineers can enhance performance based on specific scenarios, crucial for Snowflake Data Engineers and Software Engineers.

Topic 4	<ul style="list-style-type: none"> • Data Transformation: The SnowPro Advanced: Data Engineer exam evaluates skills in using User-Defined Functions (UDFs), external functions, and stored procedures. It assesses the ability to handle semi-structured data and utilize Snowpark for transformations. This section ensures Snowflake engineers can effectively transform data within Snowflake environments, critical for data manipulation tasks.
Topic 5	<ul style="list-style-type: none"> • Data Movement: Snowflake Data Engineers and Software Engineers are assessed on their proficiency to load, ingest, and troubleshoot data in Snowflake. It evaluates skills in building continuous data pipelines, configuring connectors, and designing data sharing solutions.

Snowflake SnowPro Advanced: Data Engineer Certification Exam Sample Questions (Q253-Q258):

NEW QUESTION # 253

A company stores details about transactions in an Amazon S3 bucket. The company wants to log all writes to the S3 bucket into another S3 bucket that is in the same AWS Region.

Which solution will meet this requirement with the LEAST operational effort?

- A. Create a trail of management events in AWS CloudTrail. Configure the trail to receive data from the transactions S3 bucket. Specify an empty prefix and write-only events. Specify the logs S3 bucket as the destination bucket.
- B. Configure an S3 Event Notifications rule for all activities on the transactions S3 bucket to invoke an AWS Lambda function. Program the Lambda function to write the events to the logs S3 bucket.
- C. Configure an S3 Event Notifications rule for all activities on the transactions S3 bucket to invoke an AWS Lambda function. Program the Lambda function to write the event to Amazon Kinesis Data Firehose. Configure Kinesis Data Firehose to write the event to the logs S3 bucket.
- **D. Create a trail of data events in AWS CloudTrail. Configure the trail to receive data from the transactions S3 bucket. Specify an empty prefix and write-only events. Specify the logs S3 bucket as the destination bucket.**

Answer: D

Explanation:

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/logging-with-S3.html>

NEW QUESTION # 254

A company uses an on-premises Microsoft SQL Server database to store financial transaction data. The company migrates the transaction data from the on-premises database to AWS at the end of each month. The company has noticed that the cost to migrate data from the on-premises database to an Amazon RDS for SQL Server database has increased recently.

The company requires a cost-effective solution to migrate the data to AWS. The solution must cause minimal downtime for the applications that access the database.

Which AWS service should the company use to meet these requirements?

- A. AWS DataSync
- B. AWS Lambda
- C. AWS Direct Connect
- **D. AWS Database Migration Service (AWS DMS)**

Answer: D

NEW QUESTION # 255

Which privilege are required on an object (i.e. user or role) with USERADMIN Role can modify the object properties?

- A. MANAGE GRANTS
- B. MODIFY
- C. OPEARTE
- **D. OWNERSHIP**

Answer: D

NEW QUESTION # 256

A company needs to implement a data mesh architecture in which domains for trading, risk, and compliance teams each have own their data. The teams need to share specific views with one another. The teams have over 1,000 tables across 50 databases in AWS Glue Data Catalog. All three teams use Amazon Athena to perform on-demand analysis. The teams use Amazon Redshift to generate complex reports. The compliance team must audit all data access. Access to personally identifiable information (PII) data must be restricted.

The company requires a scalable solution to meet the team requirements. The solution must provide the ability to perform analysis across team domains.

Which solution will meet these requirements?

- A. Use AWS Glue Data Catalog views to perform analysis. Use AWS CloudTrail logs to audit data access. Use AWS Lake Formation to manage access permissions. Use security definer views to mask PII.
- **B. Use AWS Lake Formation to set up cross-domain access to tables. Set up fine-grained access controls.**
- C. Create materialized views and enable Amazon Redshift datashares for each domain. Configure cross-domain access policies.
- D. Create views in Athena for on-demand analysis. Use the Athena views in Amazon Redshift to perform cross-domain analytics. Use AWS CloudTrail to audit data access. Use AWS Lake Formation to establish fine-grained access control.

Answer: B

Explanation:

AWS Lake Formation provides centralized, fine-grained governance (LF-Tags, column/row-level permissions) across domains, integrates with Athena and Redshift for cross-domain analytics, and supports comprehensive auditing via Lake Formation access logs and CloudTrail meeting scalability, PII restriction, and audit requirements.

NEW QUESTION # 257

When processing large datasets using distributed computing frameworks, uneven distribution of data can lead to processing delays. What is this phenomenon commonly known as?

- A. Data fragmentation
- B. Data shuffling
- C. Data partitioning
- **D. Data skew**

Answer: D

NEW QUESTION # 258

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