

Data-Engineer-Associate New Dumps Ppt | Valid Exam Data-Engineer-Associate Braindumps



The image shows a job advertisement for a Data Analytics Scientist. The background is a green wall with white text. On the right side, there is a photograph of a man with glasses and a beard, wearing a dark jacket, looking at a tablet. The text on the green background includes a logo at the top, the title 'WE ARE HIRING' in large white letters, and 'Data Analytics Scientist' in a yellow box. Below this, there are sections for 'Key Responsibilities' and 'Qualifications' in English, followed by their Thai translations. At the bottom, there is a white button that says 'Apply Now' and contact information for 'NATTIDA.C@AUCT.CO.TH'.

WE ARE HIRING

Data Analytics Scientist

Key Responsibilities:

- วิเคราะห์ข้อมูลเพื่อหา Insight และสร้าง Dashboard
- พัฒนโมเดล Machine Learning พร้อมทำ Feature Engineering / Model Tuning
- ประเมินประสิทธิภาพโมเดล และสร้าง Pipeline สำหรับ Training/Deployment
- ดูแลโครงสร้างข้อมูล ทำ Data Cleaning และออกแบบ Data Model
- เชื่อมข้อมูลจากหลายระบบ เช่น ERP / CRM / Excel / API

Qualifications:

- ปริญญาตรีขึ้นไป (Computer Science / IT / Statistics / Data Science)
- ประสบการณ์ด้าน Data Analytics หรือ Model Development 2 ปีขึ้นไป
- มีผลงาน Predictive Model / Forecasting / Data Visualization
- มีทักษะ Python, SQL, Power BI, BigQuery
- เข้าใจ Regression, Classification, Time-series
- หากมีประสบการณ์ Database (MongoDB, MySQL, PL/SQL) จะพิจารณาพิเศษ
- สื่อสารดี วิเคราะห์เก่ง ทำงานเป็นทีม และพร้อมเรียนรู้สิ่งใหม่

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Amazon AWS Certified Data Engineer - Associate (DEA-C01) Sample Questions (Q161-Q166):

NEW QUESTION # 161

An ecommerce company processes millions of orders each day. The company uses AWS Glue ETL to collect data from multiple sources, clean the data, and store the data in an Amazon S3 bucket in CSV format by using the S3 Standard storage class. The company uses the stored data to conduct daily analysis.

The company wants to optimize costs for data storage and retrieval.

Which solution will meet this requirement?

- A. Transition the data from Amazon S3 to an Amazon Aurora cluster.
- B. Configure AWS Glue ETL to use Amazon EMR to process incoming data in parallel.
- C. Configure AWS Glue ETL to transform the incoming data to Apache Parquet format.
- D. Transition the data to Amazon S3 Glacier Flexible Retrieval.

Answer: C

Explanation:

Apache Parquet is a columnar storage format that is much more space-efficient than row-based formats like CSV, especially for analytics workloads. Transforming data from CSV to Parquet significantly reduces storage costs and improves query performance. According to the study guide:

"Parquet is a columnar storage file format that is optimized for use with analytics workloads, providing efficient storage and fast query performance."

-Ace the AWS Certified Data Engineer - Associate Certification - version 2 - apple.pdf By switching to Parquet, the company can reduce both storage size and retrieval times, making it the optimal choice for cost-effective data analysis.

NEW QUESTION # 162

A data engineer uses Amazon Redshift to run resource-intensive analytics processes once every month. Every month, the data engineer creates a new Redshift provisioned cluster. The data engineer deletes the Redshift provisioned cluster after the analytics processes are complete every month. Before the data engineer deletes the cluster each month, the data engineer unloads backup data from the cluster to an Amazon S3 bucket.

The data engineer needs a solution to run the monthly analytics processes that does not require the data engineer to manage the infrastructure manually.

Which solution will meet these requirements with the LEAST operational overhead?

- A. Use Amazon Redshift Serverless to automatically process the analytics workload.
- B. Use AWS CloudFormation templates to automatically process the analytics workload.
- C. Use the AWS CLI to automatically process the analytics workload.
- D. Use Amazon Step Functions to pause the Redshift cluster when the analytics processes are complete and to resume the cluster to run new processes every month.

Answer: A

Explanation:

Amazon Redshift Serverless is a new feature of Amazon Redshift that enables you to run SQL queries on data in Amazon S3 without provisioning or managing any clusters. You can use Amazon Redshift Serverless to automatically process the analytics workload, as it scales up and down the compute resources based on the query demand, and charges you only for the resources consumed. This solution will meet the requirements with the least operational overhead, as it does not require the data engineer to create, delete, pause, or resume any Redshift clusters, or to manage any infrastructure manually. You can use the Amazon Redshift Data API to run queries from the AWS CLI, AWS SDK, or AWS Lambda functions¹².

The other options are not optimal for the following reasons:

A . Use Amazon Step Functions to pause the Redshift cluster when the analytics processes are complete and to resume the cluster to run new processes every month. This option is not recommended, as it would still require the data engineer to create and delete a new Redshift provisioned cluster every month, which can incur additional costs and time. Moreover, this option would require the data engineer to use Amazon Step Functions to orchestrate the workflow of pausing and resuming the cluster, which can add complexity and overhead.

C . Use the AWS CLI to automatically process the analytics workload. This option is vague and does not specify how the AWS CLI is used to process the analytics workload. The AWS CLI can be used to run queries on data in Amazon S3 using Amazon Redshift Serverless, Amazon Athena, or Amazon EMR, but each of these services has different features and benefits. Moreover, this option does not address the requirement of not managing the infrastructure manually, as the data engineer may still need to provision and configure some resources, such as Amazon EMR clusters or Amazon Athena workgroups.

D . Use AWS CloudFormation templates to automatically process the analytics workload. This option is also vague and does not specify how AWS CloudFormation templates are used to process the analytics workload. AWS CloudFormation is a service that lets you model and provision AWS resources using templates. You can use AWS CloudFormation templates to create and delete a Redshift provisioned cluster every month, or to create and configure other AWS resources, such as Amazon EMR, Amazon Athena, or Amazon Redshift Serverless. However, this option does not address the requirement of not managing the infrastructure manually, as the data engineer may still need to write and maintain the AWS CloudFormation templates, and to monitor the status and performance of the resources.

Reference:

1: Amazon Redshift Serverless

2: Amazon Redshift Data API

: Amazon Step Functions

: AWS CLI

: AWS CloudFormation

NEW QUESTION # 163

A company has a data warehouse that contains a table that is named Sales. The company stores the table in Amazon Redshift. The table includes a column that is named city_name. The company wants to query the table to find all rows that have a city_name that starts with "San" or "El." Which SQL query will meet this requirement?

- A. `Select * from Sales where city_name -,`

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