DAS-C01 Q&As

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QUESTION 1

A company using Amazon QuickSight Enterprise edition has thousands of dashboards, analyses, and datasets. The company struggles to manage and assign permissions for granting users access to various items within QuickSight. The company wants to make it easier to implement sharing and permissions management.

Which solution should the company implement to simplify permissions management?

A. Use QuickSight folders to organize dashboards, analyses, and datasets. Assign individual users permissions to these folders.

B. Use QuickSight folders to organize dashboards, analyses, and datasets. Assign group permissions by using these folders.

C. Use AWS IAM resource-based policies to assign group permissions to QuickSight items.

D. Use QuickSight user management APIs to provision group permissions based on dashboard naming conventions.

Correct Answer: B

Reference: https://awscli.amazonaws.com/v2/documentation/api/latest/reference/quicksight/update-folder-permissions.html

QUESTION 2

A company\\'s data science team is designing a shared dataset repository on a Windows server. The data repository will store a large amount of training data that the data science team commonly uses in its machine learning models. The data

scientists create a random number of new datasets each day.

The company needs a solution that provides persistent, scalable file storage and high levels of throughput and IOPS. The solution also must be highly available and must integrate with Active Directory for access control.

Which solution will meet these requirements with the LEAST development effort?

A. Store datasets as files in an Amazon EMR cluster. Set the Active Directory domain for authentication.

B. Store datasets as files in Amazon FSx for Windows File Server. Set the Active Directory domain for authentication.

C. Store datasets as tables in a multi-node Amazon Redshift cluster. Set the Active Directory domain for authentication.

D. Store datasets as global tables in Amazon DynamoDB. Build an application to integrate authentication with the Active Directory domain.

Correct Answer: B

QUESTION 3

A company wants to use an automatic machine learning (ML) Random Cut Forest (RCF) algorithm to visualize complex real-world scenarios, such as detecting seasonality and trends, excluding outers, and imputing missing values.

The team working on this project is non-technical and is looking for an out-of-the-box solution that will require the LEAST amount of management overhead.

Which solution will meet these requirements?

A. Use an AWS Glue ML transform to create a forecast and then use Amazon QuickSight to visualize the data.

B. Use Amazon QuickSight to visualize the data and then use ML-powered forecasting to forecast the key business metrics.

C. Use a pre-build ML AMI from the AWS Marketplace to create forecasts and then use Amazon QuickSight to visualize the data.

D. Use calculated fields to create a new forecast and then use Amazon QuickSight to visualize the data.

Correct Answer: B

Reference: https://aws.amazon.com/blogs/big-data/query-visualize-and-forecast-trufactor-web-session-intelligence-with-aws-data-exchange/

QUESTION 4

A company is building a data lake and needs to ingest data from a relational database that has time-series data. The company wants to use managed services to accomplish this. The process needs to be scheduled daily and bring incremental data only from the source into Amazon S3.

What is the MOST cost-effective approach to meet these requirements?

A. Use AWS Glue to connect to the data source using JDBC Drivers. Ingest incremental records only using job bookmarks.

B. Use AWS Glue to connect to the data source using JDBC Drivers. Store the last updated key in an Amazon DynamoDB table and ingest the data using the updated key as a filter.

C. Use AWS Glue to connect to the data source using JDBC Drivers and ingest the entire dataset. Use appropriate Apache Spark libraries to compare the dataset, and find the delta.

D. Use AWS Glue to connect to the data source using JDBC Drivers and ingest the full data. Use AWS DataSync to ensure the delta only is written into Amazon S3.

Correct Answer: B

QUESTION 5

A company plans to provision a log delivery stream within a VPC. The company configured the VPC flow logs to publish to Amazon CloudWatch Logs. The company needs to send the flow logs to Splunk at a near-real-time rate for further analysis.

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

A. Configure an Amazon Kinesis data stream with Splunk as a destination. Create a CloudWatch Logs subscription filter to send log events to the data stream.

B. Create an Amazon Kinesis Data Firehose delivery stream with Splunk as a destination. Create a CloudWatch Logs subscription filter to send log events to the delivery stream.

C. Create an Amazon Kinesis Data Firehose delivery stream with Splunk as a destination. Create an AWS Lambda function to send the flow logs from CloudWatch Logs to the delivery stream.

D. Configure an Amazon Kinesis data stream with Splunk as a destination. Create an AWS Lambda function to send the flow logs from CloudWatch Logs to the data stream.

Correct Answer: C

Reference: https://docs.aws.amazon.com/firehose/latest/dev/vpc-splunk-tutorial.html