



DAS-C01^{Q&As}

AWS Certified Data Analytics - Specialty (DAS-C01)

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QUESTION 1

A data analytics specialist needs to encrypt the storage for an Amazon EMR cluster that processes data for a company's monthly financial report. The EMR cluster uses a security configuration template. The local disks of the EMR cluster are not encrypted.

What should the data analytics specialist do to encrypt the local disks?

- A. Update the existing security configuration to enable encryption for the local disks. Restart the existing cluster for the configuration to take effect.
- B. Create a new security configuration to enable encryption for the local disks. Create a new cluster that uses the new security configuration.
- C. Create a new security configuration to enable encryption for the local disks. Restart the existing cluster with the new security configuration.
- D. Update the existing security configuration to enable encryption for the local disks. Create a new cluster that uses the updated security configuration.

Correct Answer: A

QUESTION 2

A company has a marketing department and a finance department. The departments are storing data in Amazon S3 in their own AWS accounts in AWS Organizations. Both departments use AWS Lake Formation to catalog and secure their

data. The departments have some databases and tables that share common names.

The marketing department needs to securely access some tables from the finance department.

Which two steps are required for this process? (Choose two.)

- A. The finance department grants Lake Formation permissions for the tables to the external account for the marketing department.
- B. The finance department creates cross-account IAM permissions to the table for the marketing department role.
- C. The marketing department creates an IAM role that has permissions to the Lake Formation tables.

Correct Answer: AB

Granting Lake Formation Permissions Creating an IAM role (AWS CLI)

Reference: <https://docs.aws.amazon.com/lake-formation/latest/dg/lake-formation-permissions.html>

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_create_for-user.html

QUESTION 3



A company uses an Amazon Kinesis data stream to ingest application monitoring data from its mobile apps. Thousands of users use the mobile apps. The company also has an application deployed in Amazon Kinesis Data Analytics for Apache Flink to gain insights from the streaming data. The Flink application uses the Kinesis data stream as the source.

The company is experiencing increases in the number of mobile app users and application activities. As a result, the throughput of the Flink application is decreasing. The source Kinesis data stream is showing increasingly high values for the MillisBehindLatest metric.

Which combination of steps should a data analytics specialist take to improve the throughput of the Flink application? (Choose three.)

- A. Increase the Flink application's parallelism.
- B. Use checkpoints and savepoints for the Flink application.
- C. Reduce the amount of logging generated from the Flink application. Log records only when necessary.
- D. Check the Flink application's CPU metric. If this metric is above 75%, configure auto scaling for the Flink application.
- E. Increase the number of shards in the Kinesis data stream.
- F. Restart the Flink application frequently.

Correct Answer: ACE

QUESTION 4

A company is hosting an enterprise reporting solution with Amazon Redshift. The application provides reporting capabilities to three main groups: an executive group to access financial reports, a data analyst group to run long-running ad-hoc queries, and a data engineering group to run stored procedures and ETL processes. The executive team requires queries to run with optimal performance. The data engineering team expects queries to take minutes.

Which Amazon Redshift feature meets the requirements for this task?

- A. Concurrency scaling
- B. Short query acceleration (SQA)
- C. Workload management (WLM)
- D. Materialized views

Correct Answer: D

Materialized views:

Reference: <https://aws.amazon.com/redshift/faqs/>

QUESTION 5

A large ecommerce company uses Amazon DynamoDB with provisioned read capacity and auto scaled write capacity to store its product catalog. The company uses Apache HiveQL statements on an Amazon EMR cluster to query the DynamoDB table. After the company announced a sale on all of its products, wait times for each query have increased.



The data analyst has determined that the longer wait times are being caused by throttling when querying the table.

Which solution will solve this issue?

- A. Increase the size of the EMR nodes that are provisioned.
- B. Increase the number of EMR nodes that are in the cluster.
- C. Increase the DynamoDB table's provisioned write throughput.
- D. Increase the DynamoDB table's provisioned read throughput.

Correct Answer: C

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