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AWS Certified Big Data - Speciality (BDS-C00)





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**QUESTION 1**

Which of the following instance types are available as Amazon EBS backend only?

- A. General purpose T2
- B. General purpose M3
- C. Compute-optimized C4
- D. Compute-optimized C3
- E. Storage-optimized 12

Correct Answer: AC

QUESTION 2

A user is launching an AWS RDS with MySQL. Which of the below mentioned options allows the user to configure the InnoDB engine parameters?

- A. Options group
- B. Engine parameters
- C. Parameter groups
- D. DB parameters

Correct Answer: C

QUESTION 3

A system engineer for a company proposes digitalization and backup of large archives for customers. The systems engineer needs to provide users with a secure storage that makes sure that data will never be tampered with once it has been uploaded.

How should this be accomplished?

- A. Create an Amazon Glacier Vault. Specify a "Deny" Vault Lock policy on this Vault to block "glacier:DeleteArchive".
- B. Create an Amazon S3 bucket. Specify a "Deny" bucket policy on this bucket to block "s3:DeleteObject".
- C. Create an Amazon Glacier Vault. Specify a "Deny" vault access policy on this Vault to block "glacier:DeleteArchive".
- D. Create secondary AWS Account containing an Amazon S3 bucket. Grant "s3:PutObject" to the primary account.

Correct Answer: C

Reference: <https://docs.aws.amazon.com/amazonglacier/latest/dev/vault-lock-policy.html>

**QUESTION 4**

A company needs to monitor the read and write IOPs metrics for their AWS MySQL RDS instance and send real-time alerts to their operations team.

Which AWS services can accomplish this? Choose 2 answers

- A. Amazon Simple Email Service
- B. Amazon CloudWatch
- C. Amazon Simple Queue Service
- D. Amazon Route 53
- E. Amazon Simple Notification Service

Correct Answer: BE

QUESTION 5

HTTP Query-based requests are HTTP requests that use the HTTP verb GET or POST and a Query parameter named_____.

- A. Action
- B. Value
- C. Reset
- D. Retrieve

Correct Answer: A

QUESTION 6

If your DB instance runs out of storage space or file system resources, its status will change to_____ and your DB Instance will no longer be available.

- A. storage-overflow
- B. storage-full
- C. storage-exceed
- D. storage-overage

Correct Answer: B



QUESTION 7

You are managing the AWS account of a big organization. The organization has more than

1000+ employees and they want to provide access to the various services to most of the employees. Which of the below mentioned options is the best possible solution in this case?

- A. The user should create a separate IAM user for each employee and provide access to them as per the policy
- B. The user should create an IAM role and attach STS with the role. The user should attach that role to the EC2 instance and setup AWS authentication on that server
- C. The user should create IAM groups as per the organization's departments and add each user to the group for better access control
- D. Attach an IAM role with the organization's authentication service to authorize each user for various AWS services

Correct Answer: D

QUESTION 8

Fill in the blanks: A _____ is a storage device that moves data in sequences of bytes or bits (blocks). Hint: These devices support random access and generally use buffered I/O.

- A. block map
- B. storage block
- C. mapping device
- D. block device

Correct Answer: D

QUESTION 9

An organization's data warehouse contains sales data for reporting purposes. data governance policies prohibit staff from accessing the customers' credit card numbers.

How can these policies be adhered to and still allow a Data Scientist to group transactions that use the same credit card number?

- A. Store a cryptographic hash of the credit card number.
- B. Encrypt the credit card number with a symmetric encryption key, and give the key only to the authorized Data Scientist.
- C. Mask the credit card numbers to only show the last four digits of the credit card number.
- D. Encrypt the credit card number with an asymmetric encryption key and give the decryption key only to the authorized Data Scientist.

Correct Answer: C



QUESTION 10

An organization is currently using an Amazon EMR long-running cluster with the latest Amazon EMR release for analytic jobs and is storing data as external tables on Amazon S3.

The company needs to launch multiple transient EMR clusters to access the same tables concurrently, but the metadata about the Amazon S3 external tables are defined and stored on the long-running cluster.

Which solution will expose the Hive metastore with the LEAST operational effort?

- A. Export Hive metastore information to Amazon DynamoDB hive-site classification to point to the Amazon DynamoDB table.
- B. Export Hive metastore information to a MySQL table on Amazon RDS and configure the Amazon EMR hive-site classification to point to the Amazon RDS database.
- C. Launch an Amazon EC2 instance, install and configure Apache Derby, and export the Hive metastore information to derby.
- D. Create and configure an AWS Glue Data Catalog as a Hive metastore for Amazon EMR.

Correct Answer: B

QUESTION 11

An organization has added a clickstream to their website to analyze traffic. The website is sending each page request with the PutRecord API call to an Amazon Kinesis stream by using the page name as the partition key. During peak spikes in website traffic, a support engineer notices many ProvisionedThroughputExceededException events in the application logs.

What should be done to resolve the issue in the MOST cost-effective way?

- A. Create multiple Amazon Kinesis streams for page requests to increase the concurrency of the clickstream.
- B. Increase the number of shards on the Kinesis stream to allow for more throughput to meet the peak spikes in traffic.
- C. Modify the application to use on the Kinesis Producer Library to aggregate requests before sending them to the Kinesis stream.
- D. Attach more consumers to the Kinesis stream to process records in parallel, improving the performance on the stream.

Correct Answer: B

Reference: <https://aws.amazon.com/kinesis/data-streams/faqs/>

QUESTION 12

A company is building a new application in AWS. The architect needs to design a system to collect application log events. The design should be a repeatable pattern that minimizes data loss if an application instance fails, and keeps a durable copy of a log data for at least 30 days.



What is the simplest architecture that will allow the architect to analyze the logs?

- A. Write them directly to a Kinesis Firehose. Configure Kinesis Firehose to load the events into an Amazon Redshift cluster for analysis.
- B. Write them to a file on Amazon Simple Storage Service (S3). Write an AWS Lambda function that runs in response to the S3 event to load the events into Amazon Elasticsearch Service for analysis.
- C. Write them to the local disk and configure the Amazon CloudWatch Logs agent to load the data into CloudWatch Logs and subsequently into Amazon Elasticsearch Service.
- D. Write them to CloudWatch Logs and use an AWS Lambda function to load them into HDFS on an Amazon Elastic MapReduce (EMR) cluster for analysis.

Correct Answer: B

QUESTION 13

A company needs to monitor the read and write IOPs metrics for their AWS MySQL RDS instances and send real-time alerts to their operations team. Which AWS services can accomplish this?

Choose 2 answers

- A. Amazon Simple Email Service
- B. Amazon CloudWatch
- C. Amazon Simple Queue Service
- D. Amazon Route 53
- E. Amazon Simple Notification Service

Correct Answer: BE

QUESTION 14

You can use _____ and _____ to help secure the instances in your VPC.

- A. security groups and multi-factor authentication
- B. security groups and 2-Factor authentication
- C. security groups and biometric authentication
- D. security groups and network ACLs

Correct Answer: D

QUESTION 15



A customer wants to track access to their Amazon Simple Storage Service (S3) buckets and also use this information for their internal security and access audits. Which of the following will meet the Customer requirement?

- A. Enable AWS CloudTrail to audit all Amazon S3 bucket access.
- B. Enable server access logging for all required Amazon S3 buckets.
- C. Enable the Requester Pays option to track access via AWS Billing
- D. Enable Amazon S3 event notifications for Put and Post.

Correct Answer: B

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