



# BDS-C00<sup>Q&As</sup>

AWS Certified Big Data - Speciality (BDS-C00)





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### QUESTION 1

A company is using Amazon Machine Learning as part of a medical software application. The application will predict the most likely blood type for a patient based on a variety of other clinical tests that are available when blood type knowledge is unavailable.

What is the appropriate model choice and target attribute combination for this problem?

- A. Multi-class classification model with a categorical target attribute.
- B. Regression model with a numeric target attribute.
- C. Binary Classification with a categorical target attribute.
- D. K-Nearest Neighbors model with a multi-class target attribute.

Correct Answer: A

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### QUESTION 2

The Amazon EC2 web service can be accessed using the \_\_\_\_\_ web services messaging protocol. This interface is described by a Web Services Description Language (WSDL) document.

- A. SOAP
- B. DCOM
- C. CORBA
- D. XML-RPC

Correct Answer: A

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### QUESTION 3

A customer is collecting clickstream data using Amazon Kinesis and is grouping the events by IP address into 5-minute chunks stored in Amazon S3.

Many analysts in the company use Hive on Amazon EMR to analyze this data. Their queries always reference a single IP address. Data must be optimized for querying based on IP address using Hive running on Amazon EMR.

What is the most efficient method to query the data with Hive?

- A. Store an index of the files by IP address in the Amazon DynamoDB metadata store for EMRFS.
- B. Store the Amazon S3 objects with the following naming scheme: bucket\_name/source=ip\_address/year=yy/month=mm/day=dd/hour=hh/filename.
- C. Store the data in an HBase table with the IP address as the row key.



D. Store the events for an IP address as a single file in Amazon S3 and add metadata with keys: Hive\_Partitioned\_IPAddress.

Correct Answer: A

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#### QUESTION 4

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

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#### QUESTION 5

You have a web application that is currently running on a collection of micro instance types in a single AZ

behind a single load balancer. You have an Auto Scaling group configured to scale from 2 to 64 instances. When reviewing your CloudWatch metrics, you see that sometimes your Scaling group is running 64 micro instances. The web application is reading and writing to a DynamoDB-configured backend and configured with 800 Write Capacity units and 800 Read Capacity units. Your customers are complaining that they are experiencing load times when viewing your website. You have investigated the DynamoDB CloudWatch metrics; you are under the provisioned read and Write Capacity units and there is no throttling.

How do you scale your service to improve the load times and ensure the principles of high availability?

- A. Change your Auto Scaling group configuration to include multiple AZs
- B. Change you Auto Scaling group configuration to include multiple AZs, and increase the number of Read Capacity units in your DynamoDB table by a factor of three, because you will need to be calling DynamoDB from three AZs
- C. Add a second load balancer to your Auto Scaling group so that you can support more inbound connections per second
- D. Change your Auto Scaling group configuration to use larger instances and include multiple AZs instead of one

Correct Answer: D

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