aws training and certification

You reached the end of this quiz.

Below you can see your overall score, as well as how you scored on each question. **A detailed explanation of each answer will be provided to you in a practice question solutions page that you will gain access to by the end of this course**.

3/3 **100.0%**

A healthcare company using the AWS Cloud has access to a variety of data types, including raw and preprocessed data. The company wants to start using this data for its ML pipeline, but also wants to make sure the data is highly available and located in a centralized repository. **1/1**

What approach should the company take to achieve the desired outcome?

Store unstructured data in Amazon DynamoDB and structured data in Amazon RDS

Use Amazon FSx to host the data for training

✓ **Create a data lake using Amazon S3 as the data storage layer**

Use Amazon Elastic Block Store (Amazon EBS) volumes to store the data with data backup

A Data Scientist wants to implement a near-real-time anomaly detection solution for routine machine maintenance. The data is currently streamed from connected devices by AWS IoT to an Amazon S3 bucket and then sent downstream for further processing in a real-time dashboard. **1/1**

What service can the Data Scientist use to achieve the desired outcome with minimal change to the pipeline?

Amazon CloudWatch

✓ **Amazon Kinesis Data Analytics**

Amazon SageMaker

Amazon EMR with Spark

A transportation company currently uses Amazon EMR with Apache Spark for some of its data transformation workloads. It transforms columns of geographical data (like latitudes and longitudes) and adds columns to segment the data into different clusters per city to attain additional features for the k-nearest neighbors algorithm being used. **1/1**

The company wants less operational overhead for their transformation pipeline. They want a new solution that does not make significant changes to the current pipeline and only requires minimal management.

What AWS services should the company use to build this new pipeline?

✓ **Use AWS Glue to transform files. Use Amazon S3 as the destination.**

Use Amazon EMR to transform files. Use Amazon S3 as the destination.

Use AWS Glue to transform files. Use Amazon EMR HDFS as the destination.

Use Lambda to transform files. Use Amazon EMR HDFS as the destination.