Vendor: Microsoft

Exam Code: 70-775

Exam Name: Perform Data Engineering on Microsoft Azure HDInsight

Version: DEMO

QUESTION 1
You plan to copy data from Azure Blob storage to an Azure SQL database by using Azure Data Factory.

Which file formats can you use?

A. binary, JSON, Apache Parquet, and ORC
B. OXPS, binary, text and JSON
C. XML, Apache Avro, text, and ORC
D. text, JSON, Apache Avro, and Apache Parquet

Answer: D
Explanation:
https://docs.microsoft.com/en-us/azure/data-factory/supported-file-formats-and-compression-codecs

QUESTION 2
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this sections, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are building a security tracking solution in Apache Kafka to parse security logs. The security logs record an entry each time a user attempts to access an application. Each log entry contains the IP address used to make the attempt and the country from which the attempt originated.

You need to receive notifications when an IP address from outside of the United States is used to access the application.

Solution: Create new topics. Create a file import process to send messages. Start the consumer and run the producer.

Does this meet the goal?

A. Yes
B. No

Answer: A

QUESTION 3
You use YARN to manage the resources for a Spark Thrift Server running on a Linux- based Apache Spark cluster in Azure HDInsight.

You discover that the cluster does not fully utilize the resources.
You want to increase resource allocation.

You need to increase the number of executors and the allocation of memory to the Spark Thrift Server driver.

Which two parameters should you modify? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. spark.dynamicAllocation.maxExecutors
B. spark.cores.max
C. spark.executor.memory
D. spark_thrift_cmd_opts
E. spark.executor.instances

Answer: AC
Explanation:
https://stackoverflow.com/questions/37871194/how-to-tune-spark-executor-number-cores-and-executor-memory

QUESTION 4
You have an Apache Hadoop cluster in Azure HDInsight that has a head node and three data nodes. You have a MapReduce job.

You receive a notification that a data node failed.

You need to identify which component cause the failure.

Which tool should you use?

A. JobTracker
B. TaskTracker
C. ResourceManager
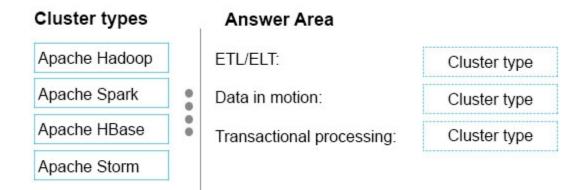D. ApplicationMaster

Answer: C
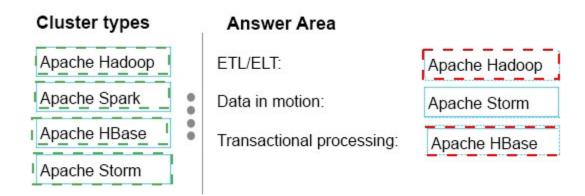
QUESTION 5
Drag and Drop Question

You are evaluating the use of Azure HDInsight clusters for various workloads.

Which type of HDInsight cluster should you create for each workload? To answer, drag the appropriate cluster types to the correct workloads. Each cluster type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Cluster types

| Apache Hadoop |
| Apache Spark |
| Apache HBase |
| Apache Storm |

Answer Area

ETL/ELT: Cluster type

Data in motion: Cluster type

Transactional processing: Cluster type

Answer:

Cluster types

| Apache Hadoop |
| Apache Spark |
| Apache HBase |
| Apache Storm |

Answer Area

ETL/ELT: Apache Hadoop

Data in motion: Apache Storm

Transactional processing: Apache HBase

Explanation:
https://www.blue-granite.com/blog/how-to-choose-the-right-hdinsight-cluster

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