



70-775^{Q&As}

Perform Data Engineering on Microsoft Azure HDInsight

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QUESTION 1

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

Correct Answer: AC

References: <https://stackoverflow.com/questions/37871194/how-to-tune-spark-executor-number-cores-and-executor-memory>

QUESTION 2

Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series.

Information and details provided in a question apply only to that question.

You need to deploy an HDInsight cluster that will have a custom Apache Ambari configuration. The cluster will be joined to a domain and must perform the following:

What should you do?

- A. Use an Azure PowerShell script to create and configure a premium HDInsight cluster. Specify Apache Hadoop as the cluster type and use Linux as the operating system.
- B. Use the Azure portal to create a standard HDInsight cluster. Specify Apache Spark as the cluster type and use Linux as the operating system.
- C. Use an Azure PowerShell script to create a standard HDInsight cluster. Specify Apache HBase as the cluster type and use Windows as the operating system.
- D. Use an Azure PowerShell script to create a standard HDInsight cluster. Specify Apache Storm as the cluster type and use Windows as the operating system.
- E. Use an Azure PowerShell script to create a premium HDInsight cluster. Specify Apache HBase as the cluster type



and use Linux as the operating system.

F. Use an Azure portal to create a standard HDInsight cluster. Specify Apache Interactive Hive as the cluster type and use Linux as the operating system.

G. Use an Azure portal to create a standard HDInsight cluster. Specify Apache HBase as the cluster type and use Linux as the operating system.

Correct Answer: C

References: <https://docs.microsoft.com/en-us/azure/hdinsight/hdinsight-hadoop- introduction>

QUESTION 3

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

Correct Answer: A

QUESTION 4

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.

Select and Place:



Cluster types

Apache Hadoop

Apache Spark

Apache HBase

Apache Storm

Answer Area

ETL/ELT:

Data in motion.

Transactional processing:

Cluster type

Cluster type

Cluster type

Correct Answer:

Cluster types

Apache Spark

Answer Area

ETL/ELT:

Data in motion.

Transactional processing:

Apache Hadoop

Apache Storm

Apache HBase

QUESTION 5

You have an Azure HDInsight cluster.

You need a build a solution to ingest real-time streaming data into a nonrelational distributed database.

What should you use to build the solution?

- A. Apache Hive and Apache Kafka
- B. Spark and Phoenix
- C. Apache Storm and Apache HBase
- D. Apache Pig and Apache HCatalog

Correct Answer: C

<http://storm.apache.org/> <http://hbase.apache.org/>



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