

70-775^{Q&As}

Perform Data Engineering on Microsoft Azure HDInsight

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QUESTION 1

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 2

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

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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 3

You have a domain-joined Apache Hadoop cluster in Azure HDInsight named hdicluster.

The Linux account for hdicluster is named Inxuser.

Your Active Directory account is named user1@fabrikam.com.

You need to run Hadoop commands from an SSH session.

Which credentials should you use? To answer, drag the appropriate credentials to the correct commands. Each credential 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:



Correct Answer:

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Credentials	Answer Area
	SSH: Inwuser@hdicluster
Inxuser@hdicluster-ssh.azurehdinsight.net	user1@fabrikam.com
user1@fabrikam.com.hdnsight.net	

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

Correct Answer: C

QUESTION 5

You have an Apache Hive table that contains one billion rows.

You plan to use queries that will filter the data by using the WHERE clause. The values of the columns will be known only while the data loads into a Hive table.

You need to decrease the query runtime.

What should you configure?

- A. static partitioning
- B. bucket sampling



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C. parallel execution

D. dynamic partitioning

Correct Answer: C

References: https://www.qubole.com/blog/5-tips-for-efficient-hive-queries/

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