70-776 Q&As

Perform Big Data Engineering on Microsoft Cloud Services

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QUESTION 1

You ingest data into a Microsoft Azure event hub.

You need to export the data from the event hub to Azure Storage and to prepare the data for batch processing tasks in Azure Data Lake Analytics.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Run the Avro extractor from a U-SQL script.

B. Create an Azure Storage account.

C. Add a shared access policy.

D. Enable Event Hubs Archive.

E. Run the CSV extractor from a U-SQL script.

Correct Answer: BD

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 section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a table named Table1 that contains 3 billion rows. Table1 contains data from the last 36 months.

At the end of every month, the oldest month of data is removed based on a column named DateTime.

You need to minimize how long it takes to remove the oldest month of data.

Solution: You implement a columnstore index on the DateTime column.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 3

You are using Cognitive capabilities in U-SQL to analyze images that contain different types of objects.

You need to identify which objects might be people.

Which two reference assemblies should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. ExtPython

B. ImageCommon

C. ImageTagging

D. ExtR

E. FaceSdk

Correct Answer: BC

QUESTION 4

You have a Microsoft Azure SQL data warehouse.

You need to configure Data Warehouse Units (DWUs) to ensure that you have six compute nodes. The solution must minimize costs.

Which value should set for the DWUs?

A. DW200

B. DW400

C. DW600

D. DW1000

Correct Answer: C

QUESTION 5

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At the end of every month, the oldest month of data is removed based on a column named DateTime.

You need to minimize how long it takes to remove the oldest month of data.

Solution: You specify DateTime as the hash distribution column.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 6

DRAG DROP

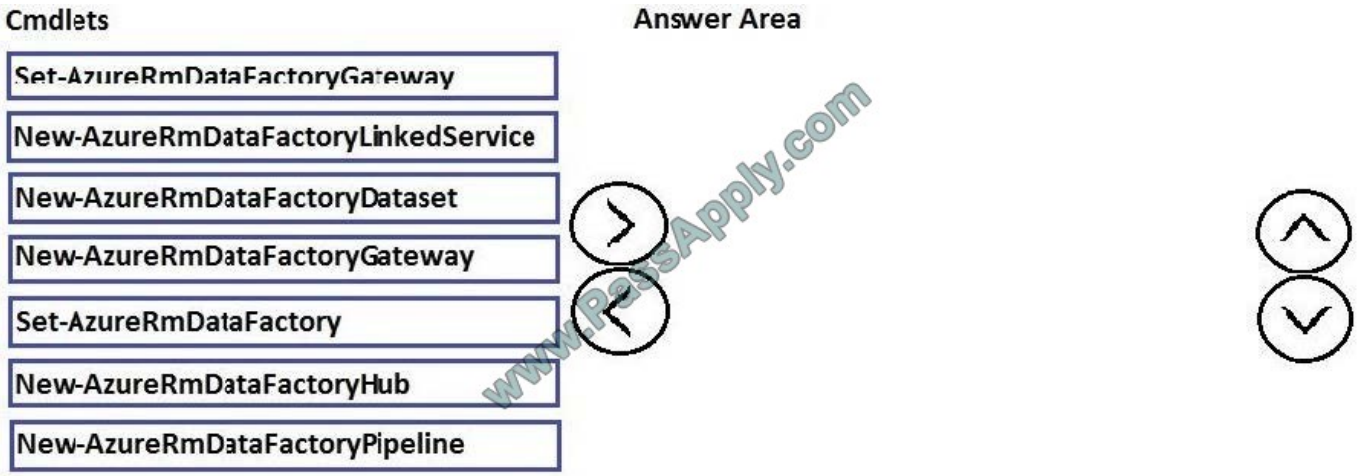
You have an Apache Hive database in a Microsoft Azure HDInsight cluster.

You create an Azure Data Factory named DF1.

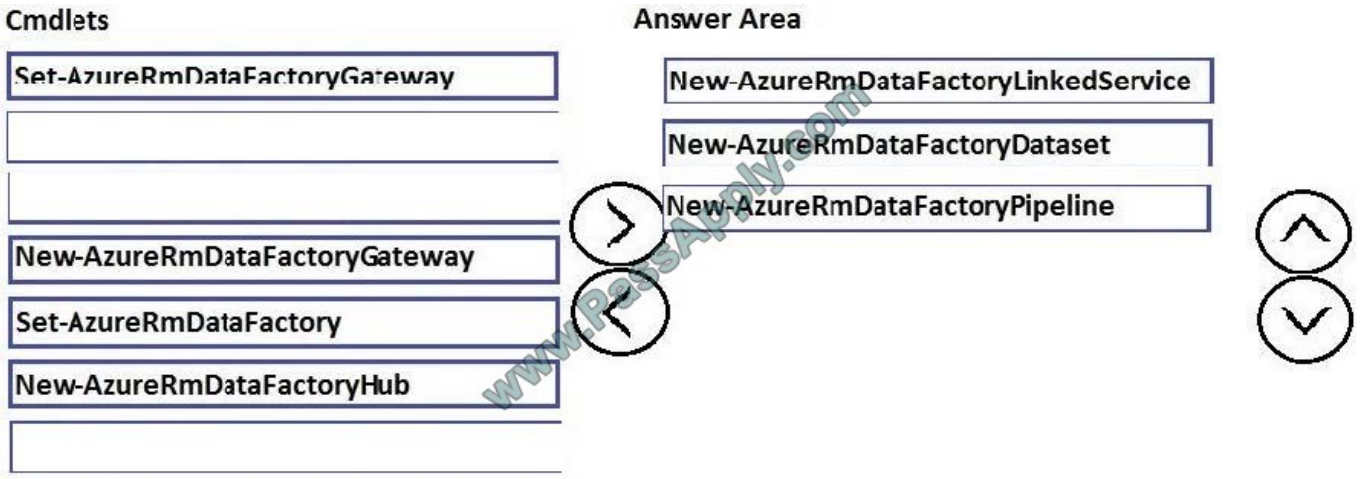
You need to transform the data in the Hive database and to output the data to Azure Blob storage.

Which three cmdlets should you run in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Select and Place:



Correct Answer:



References: https://docs.microsoft.com/en-us/powershell/module/azurerm.datafactories/new-azurermdatafactorypipeline?view=azurermps-4.4.0 https://github.com/aelij/azure-content/blob/master/articles/data-factory/data-factory-build- your-first-pipeline-using-powershell.md

QUESTION 7

HOTSPOT

You use Microsoft Visual Studio to develop custom solutions for customers who use Microsoft Azure Data Lake Analytics.

You install the Data Lake Tools for Visual Studio.

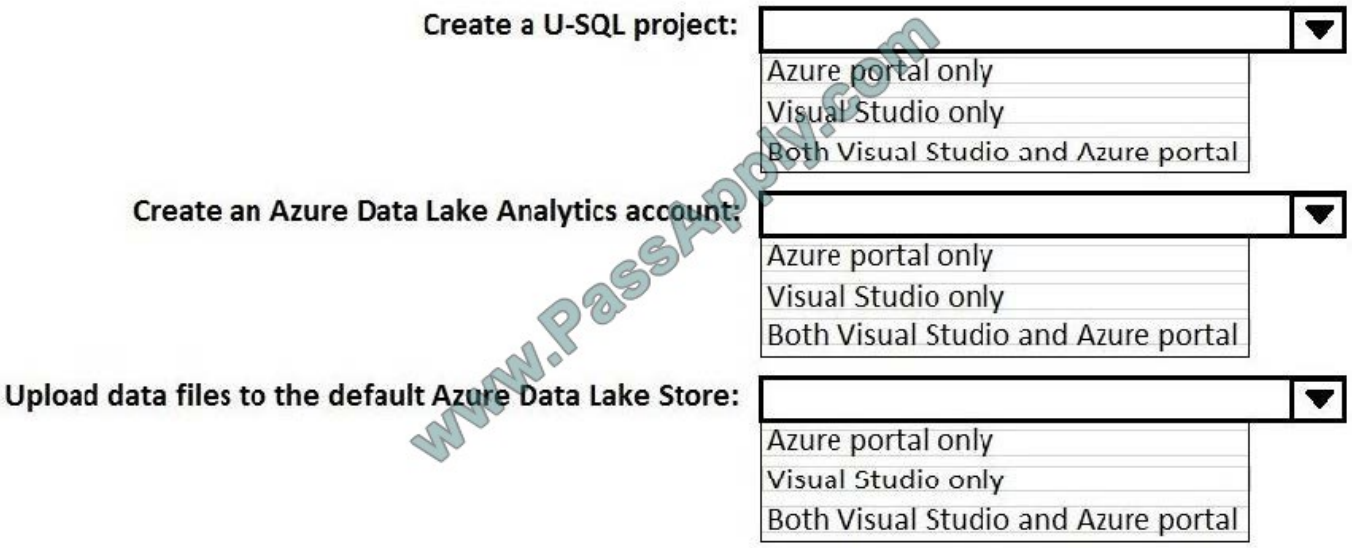
You need to identify which tasks can be performed from Visual Studio and which tasks can be performed from the Azure portal.

What should you identify for each task? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

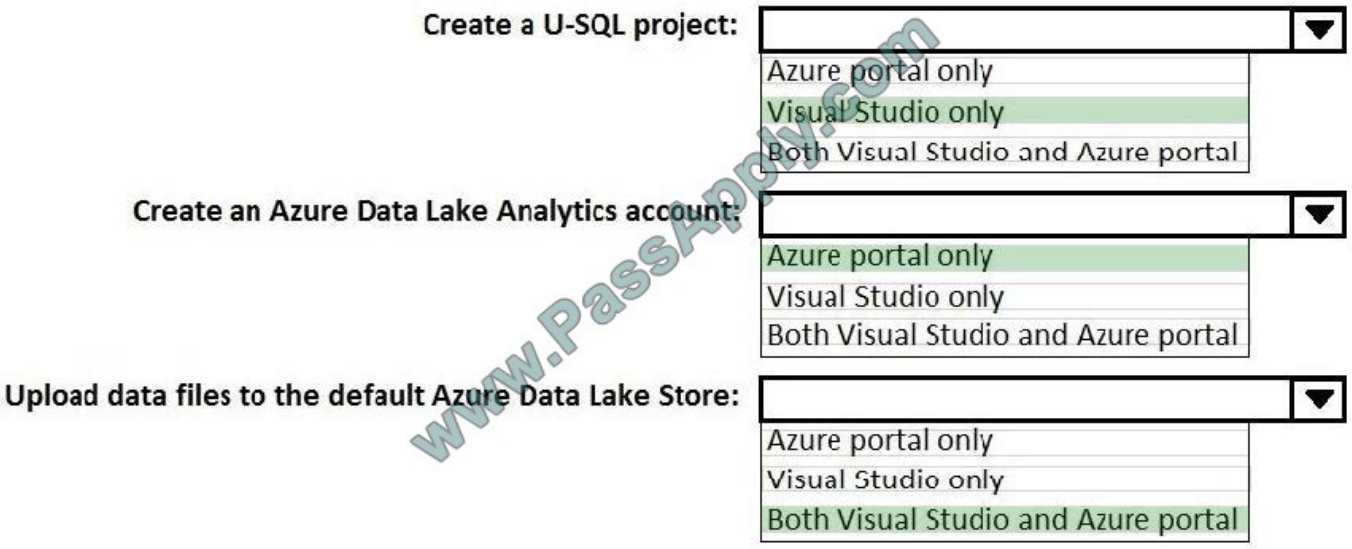
Hot Area:

Answer Area



Correct Answer:

Answer Area



QUESTION 8

HOTSPOT

You plan to implement a Microsoft Azure Stream Analytics job to track the data from IoT devices. You will have the following two jobs:

-Job1 will contain a query that has one non-partitioned step.

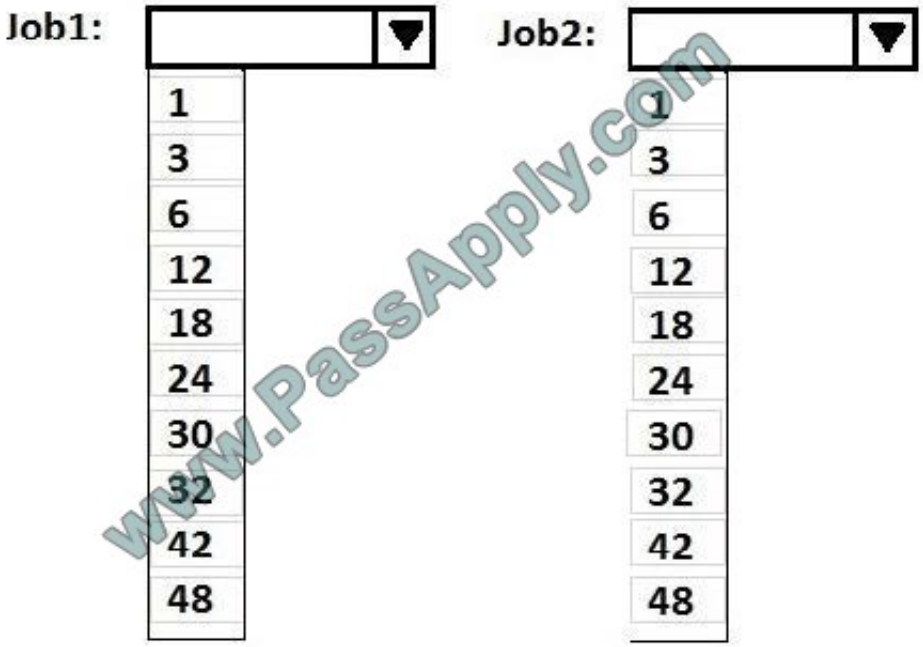
-Job2 will contain a query that has two steps. One of the steps is partitioned.

What is the maximum number of streaming units that will be consumed per job? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area



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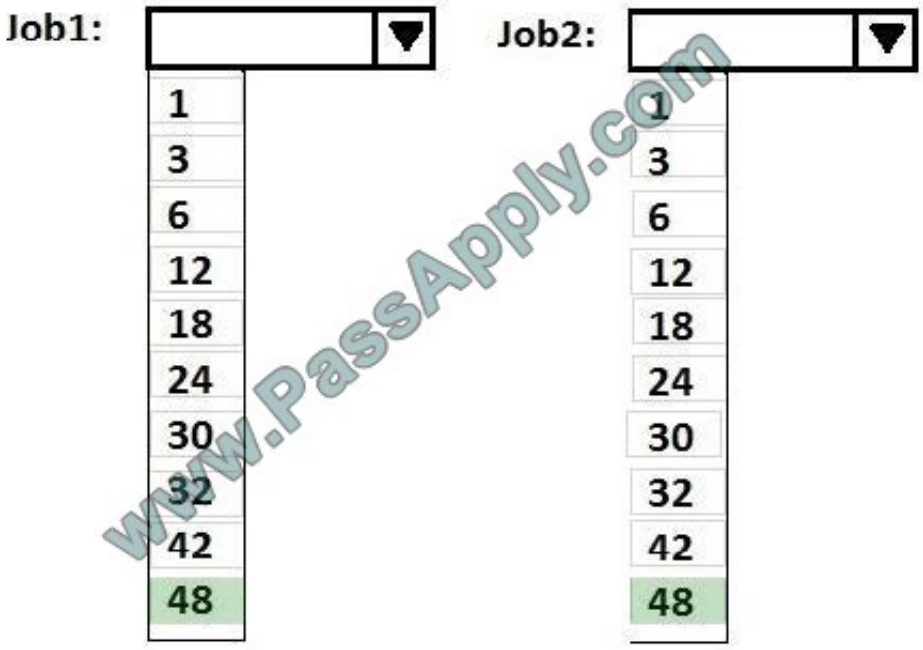
Correct Answer:

Answer Area



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References:

https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-scale-jobs https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analyticsstreaming-unit- consumption

QUESTION 9

You have a Microsoft Azure Data Lake Analytics service and an Azure Data Lake Store.

You need to use Python to submit a U-SQL job.

Which Python module should you install?

A. azure-mgmt-datalake-store

B. azure-mgmt- datalake-analytics

C. azure-datalake-store

D. azure-mgmt-resource

Correct Answer: B

QUESTION 10

You have a Microsoft Azure SQL data warehouse that has a fact table named FactOrder. FactOrder contains three columns named CustomerId, OrderId, and OrderDateKey. FactOrder is hash distributed on CustomerId. OrderId is the unique

identifier for FactOrder.

FactOrder contains 3 million rows.

Orders are distributed evenly among different customers from a table named dimCustomers that contains 2 million rows.

You often run queries that join FactOrder and dimCustomers by selecting and grouping by the OrderDateKey column.

You add 7 million rows to FactOrder. Most of the new records have a more recent OrderDateKey value than the previous records.

You need to reduce the execution time of queries that group on OrderDateKey and that join dimCustomers and FactOrder.

What should you do?

A. Change the distribution for the FactOrder table to round robin.

B. Update the statistics for the OrderDateKey column.

C. Change the distribution for the FactOrder table to be based on OrderId.

D. Change the distribution for the dimCustomers table to OrderDateKey.

Correct Answer: B

QUESTION 11

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At the end of every month, the oldest month of data is removed based on a column named DateTime.

You need to minimize how long it takes to remove the oldest month of data.

Solution: You implement round robin for table distribution. Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 12

You plan to deploy a Microsoft Azure virtual machine that will a host data warehouse. The data warehouse will contain a 10-TB database.

You need to provide the fastest read and writes times for the database.

Which disk configuration should you use?

A. storage pools with mirrored disks

B. RAID 5 volumes

C. spanned volumes

D. stripped volumes

E. storage pools with striped disks

Correct Answer: E

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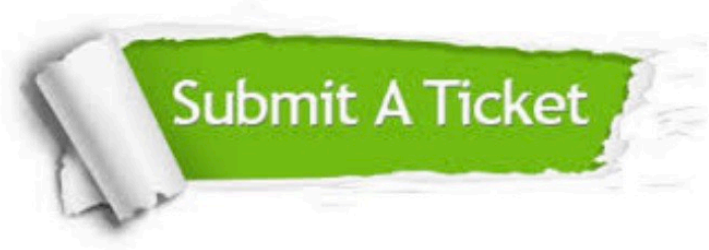

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