Microsoft
Exam Questions 70-475
Designing and Implementing Big Data Analytics Solutions
NEW QUESTION 1
You need to implement rls_table1.
Which code should you execute? To answer, drag the appropriate values to the correct targets. Each value 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.

Answer:

Explanation: Box 1: Security Policy
Example: After we have created Predicate function, we have to bind it to the table, using Security Policy. We will be using CREATE SECURITY POLICY command to set the security policy in place.
CREATE SECURITY POLICY DepartmentSecurityPolicy
ADD FILTER PREDICATE dbo.DepartmentPredicateFunction(UserDepartment) ON dbo.Department WITH(STATE = ON)

Box 2: Filter
[ FILTER | BLOCK ]
The type of security predicate for the function being bound to the target table. FILTER predicates silently filter the rows that are available to read operations. BLOCK predicates explicitly block write operations that violate the predicate function.

Box 3: Block
Box 4: Block
Box 5: Filter

NEW QUESTION 2
Which technology should you recommend to meet the technical requirement for analyzing the social media data?

A. Azure Stream Analytics
B. Azure Data Lake Analytics
C. Azure Machine Learning
D. Azure HDInsight Storm clusters

Answer: A

Explanation: Azure Stream Analytics is a fully managed event-processing engine that lets you set up real-time analytic computations on streaming data. Scalability
Stream Analytics can handle up to 1 GB of incoming data per second. Integration with Azure Event Hubs and Azure IoT Hub allows jobs to ingest millions of events per second coming from connected devices, clickstreams, and log files, to name a few. Using the partition feature of event hubs, you can partition computations into logical steps, each with the ability to be further partitioned to increase scalability.

NEW QUESTION 3
You need to implement a solution that meets the data refresh requirement for DB1.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.
Answer:

Explanation: Azure Data Factory can be used to orchestrate the execution of stored procedures. This allows more complex pipelines to be created and extends Azure Data Factory's ability to leverage the computational power of SQL Data Warehouse.

From scenario:
Relecloud has a Microsoft SQL Server database named DB1 that stores information about the advertisers. DB1 is hosted on a Microsoft Azure virtual machine. Relecloud identifies the following requirements for DB1:

- Data generated by the streaming analytics platform must be stored in DB1.
- The advertisers in DB1 must be stored in a table named Table1 and must be refreshed nightly.

Topic 3, Litware, Inc
Overview
General Overview
Litware, Inc. is a company that manufactures personal devices to track physical activity and other health-related data. Litware has a health tracking application that sends health-related data from a user's personal device to Microsoft Azure.

Physical Locations
Litware has three development and commercial offices. The offices are located in the United States, Luxembourg, and India. Litware products are sold worldwide. Litware has commercial representatives in more than 80 countries.

Existing Environment Environment
In addition to using desktop computers in all of the offices. Litware recently started using Microsoft Azure resources and services for both development and operations. Litware has an Azure Machine Learning Solution.

Litware Health Tracking Application
Litware recently extended its platform to provide third-party companies with the ability to upload data from devices to Azure. The data can be aggregated across multiple devices to provide users with a comprehensive view of their global health activity.

While the upload from each device is small, potentially more than 100 million devices will upload data daily by using an Azure event hub. Each health activity has a small amount of data, such as activity type, start date/time, and end date/time. Each activity is limited to a total of 3 KB and includes a customer identification key.

In addition to the Litware health tracking application, the users' activities can be reported to Azure by using an open API.

Machine Learning Experiments
The developers at Litware perform Machine Learning experiments to recommend an appropriate health activity based on the past three activities of a user. The Litware developers train a model to recommend the best activity for a user based on the hour of the day.

Requirements Planned Changes
Litware plans to extend the existing dashboard features so that health activities can be compared between the users based on age, gender, and geographic region.

Business Goals
Minimize the costs associated with transferring data from the event hub to Azure Storage.

Technical Requirements
Litware identifies the following technical requirements:

- Data from the devices must be stored from three years in a format that enables the fast processing of data fields and filtering.
- Any changes to the health tracking application must ensure that the Litware developers can run the experiments without interrupting or degrading the performance of the production environment.

Privacy Requirements
Activity tracking data must be available to all of the Litware developers for experimentation. The developers must be prevented from accessing the private information of the users.

Other Technical Requirements
When the Litware health tracking application asks users how they feel, their responses must be reported to Azure.

Topic 2, Mix Questions
NEW QUESTION 4
You are building an Azure Analysis Services cube. The source data for the cube is located on premises in a Microsoft SQL Server database. You need to ensure that the Azure Analysis Services service can access the source data. What should you deploy to your Azure subscription?

A. a site-to-site VPN
B. Azure Data Factory
C. a network gateway in Azure
D. a data gateway in Azure

Answer: D

Explanation: Connecting to on-premises data sources from an Azure AS server requires an On-premises gateway.

References:

NEW QUESTION 5
You deploy a Microsoft Azure SQL database. You create a job to upload customer data to the database. You discover that the job cannot connect to the database and fails. You verify that the database runs successfully in Azure. You need to run the job successfully. What should you create?

A. a virtual network rule
B. a network security group (NSG)
C. a firewall rule
D. a virtual network

Answer: C

Explanation: If the application persistently fails to connect to Azure SQL Database, it usually indicates an issue with one of the following:
- Firewall configuration. The Azure SQL database or client-side firewall is blocking connections to Azure SQL Database.
- Network reconfiguration on the client side: for example, a new IP address or a proxy server.
- User error: for example, mistyped connection parameters, such as the server name in the connection string. References:

NEW QUESTION 6
You have a Microsoft Azure data factory. You assign administrative roles to the users in the following table.
You discover that several new data factory instances were created.
You need to ensure that only User5 can create a new data factory instance.
Which two roles should you change? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. User2 to Reader  
B. User3 to Contributor 
C. User1 to Reader  
D. User4 to Contributor  
E. User5 to Administrator

Answer: AC

NEW QUESTION 7
You have an Apache Spark cluster on Microsoft Azure HDInsight for all analytics workloads. You plan to build a Spark streaming application that processes events ingested by using Azure Event Hubs. You need to implement checkpointing in the Spark streaming application for high availability of the event data.
In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Answer:

Explanation:

NEW QUESTION 8
Your company has 2000 servers. You plan to aggregate all of the log files from the servers in a central repository that uses Microsoft Azure HDInsight. Each log file contains approximately one million records. All of the files use the .log file name extension.

In Apache Hive, you need to create a data definition and a query capturing the number of records that have an error level of [ERROR]. What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.
NEW QUESTION 9
You are planning a solution that will have multiple data files stored in Microsoft Azure Blob storage every hour. Data processing will occur once a day at midnight only.
You create an Azure data factory that has blob storage as the input source and an Azure HD Insight activity that uses the input to create an output Hive table. You need to identify a data slicing strategy for the data factory. What should you identify? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.
NEW QUESTION 10
You need to implement a security solution for Microsoft Azure SQL database. The solution must meet the following requirements:

- Ensure that users can see the data from their respective department only.
- Prevent administrators from viewing the data.

Which feature should you use for each requirement? To answer, drag the appropriate features to the correct requirements. Each feature 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.

Answer:

Explanation:

NEW QUESTION 11
You are creating a retail analytics system for a company that manufactures equipment. The company manufactures thousands of IoT devices that report their status over the Internet.

You need to recommend a solution to visualize notifications from the devices on a mobile-ready dashboard. Which three actions should you recommend be performed in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.
NEW QUESTION 12

The health tracking application uses the features of a live dashboard to provide historical and trending data based on the users activities.

You need to recommend which processing model must be used to process the following types of data:

- The top three activities per user on rainy days
- The top three activities per user during the last 24 hours
- The top activities per geographic region during last 24 hours
- The most common sequences of three activities in a row for all of the users

Which processing model should you recommend for each date type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

**Answer Area**

**NEW QUESTION 13**

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<thead>
<tr>
<th>The top three activities per user on rainy days:</th>
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