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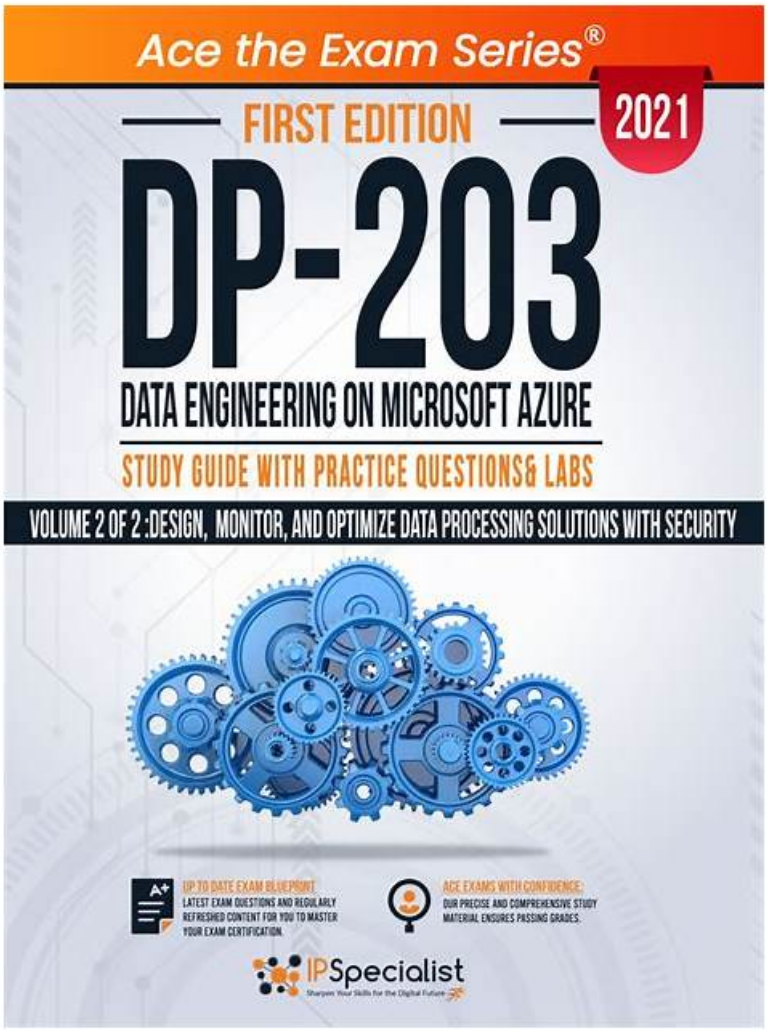

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Microsoft DP-203 (Data Engineering on Microsoft Azure) Certification Exam is one of the most popular certification exams in the data engineering domain. It is designed for professionals who want to validate their skills in working with data engineering technologies on the Microsoft Azure platform. Data Engineering on Microsoft Azure certification exam is intended to showcase the proficiency of candidates in designing, building, and maintaining data processing systems on Azure.

The DP-203 Exam covers a wide range of topics related to data engineering on Azure, including data storage solutions, data processing, data integration, data security, and data monitoring and optimization. Candidates need to demonstrate their understanding of various Azure services and tools for data processing, such as Azure Data Factory, Azure Databricks, Azure HDInsight, and Azure Synapse Analytics.

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The DP-203 exam is a challenging certification that demands a deep understanding of data engineering concepts and Azure services. To successfully pass the exam, you must have a strong understanding of data engineering principles, as well as a thorough knowledge of Azure services and tools. Data Engineering on Microsoft Azure certification is a valuable asset to have for professionals who work with Azure data services, and it can help you advance your career in data engineering and analytics. With the DP-203 Certification, you can demonstrate your expertise in designing and implementing data solutions on Azure and showcase your ability to work with data at scale.

Microsoft Data Engineering on Microsoft Azure Sample Questions (Q324-Q329):

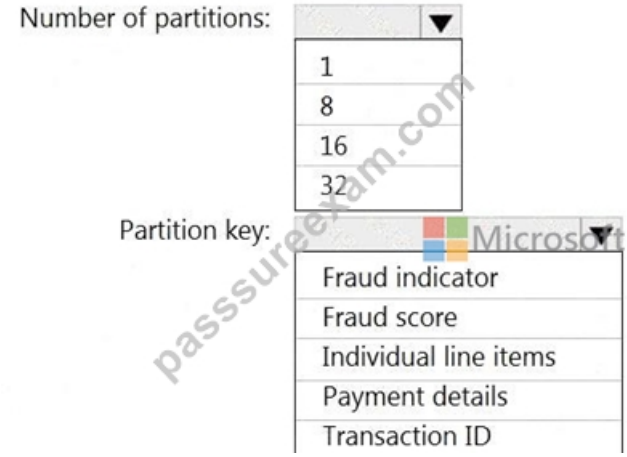
NEW QUESTION # 324
You are designing an Azure Databricks cluster that runs user-defined local processes. You need to recommend a cluster configuration that meets the following requirements:
* Minimize query latency.
* Maximize the number of users that can run queues on the cluster at the same time a Reduce overall costs without compromising other requirements Which cluster type should you recommend?

- A. High Concurrency with Auto Termination
- B. Standard with Auto termination
- C. Standard with Autoscaling
- D. High Concurrency with Autoscaling

Answer: D

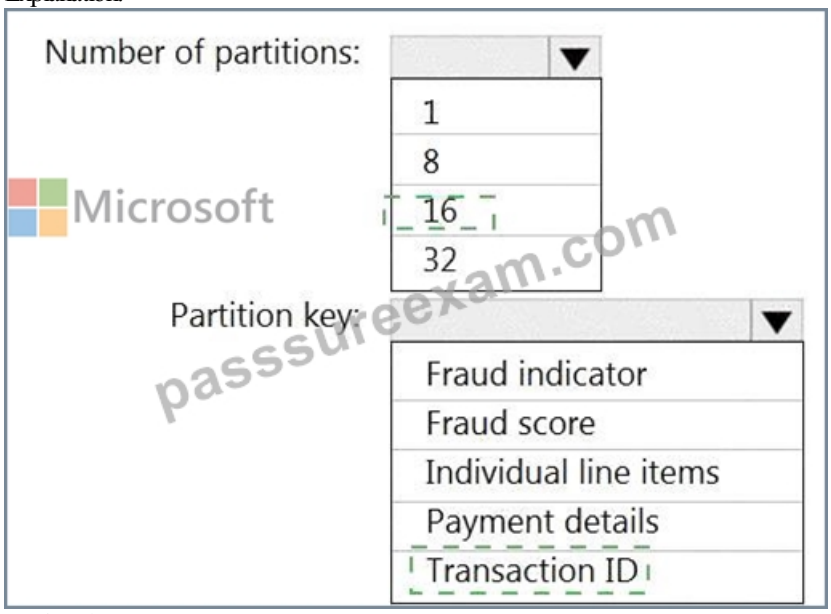
Explanation:
A High Concurrency cluster is a managed cloud resource. The key benefits of High Concurrency clusters are that they provide fine-grained sharing for maximum resource utilization and minimum query latencies.
Databricks chooses the appropriate number of workers required to run your job. This is referred to as autoscaling. Autoscaling makes it easier to achieve high cluster utilization, because you don't need to provision the cluster to match a workload.
Reference:
https://docs.microsoft.com/en-us/azure/databricks/clusters/configure

NEW QUESTION # 325
You have an Azure event hub named retailhub that has 16 partitions. Transactions are posted to retailhub.
Each transaction includes the transaction ID, the individual line items, and the payment details. The transaction ID is used as the partition key.
You are designing an Azure Stream Analytics job to identify potentially fraudulent transactions at a retail store. The job will use retailhub as the input. The job will output the transaction ID, the individual line items, the payment details, a fraud score, and a fraud indicator.
You plan to send the output to an Azure event hub named fraudhub.
You need to ensure that the fraud detection solution is highly scalable and processes transactions as quickly as possible.
How should you structure the output of the Stream Analytics job? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

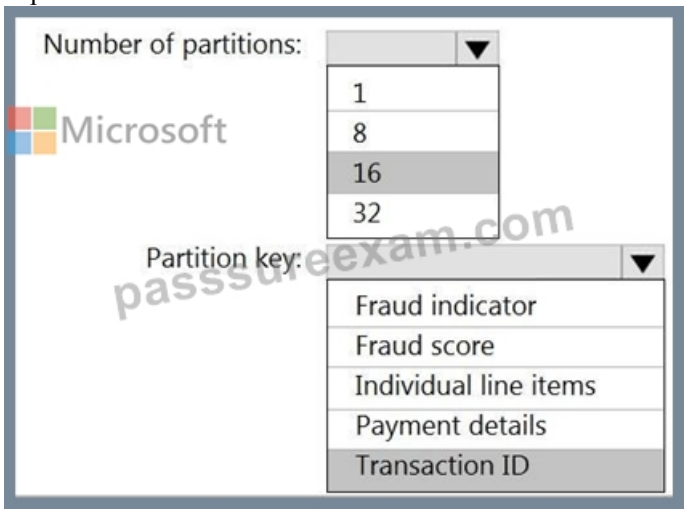


Answer:

Explanation:



Explanation:



Box 1: 16

For Event Hubs you need to set the partition key explicitly.

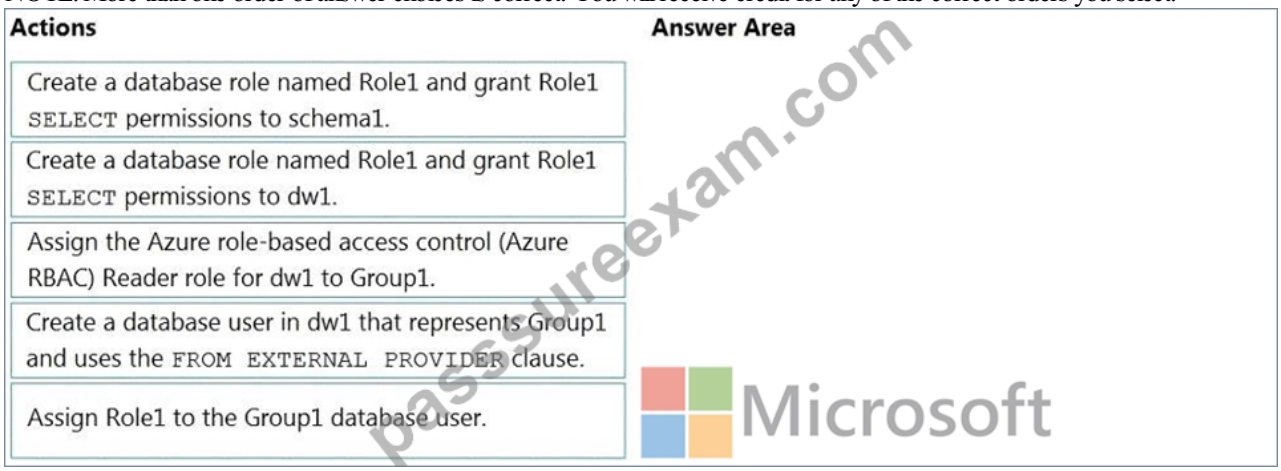
An embarrassingly parallel job is the most scalable scenario in Azure Stream Analytics. It connects one partition of the input to one instance of the query to one partition of the output.

Box 2: Transaction ID

Reference:

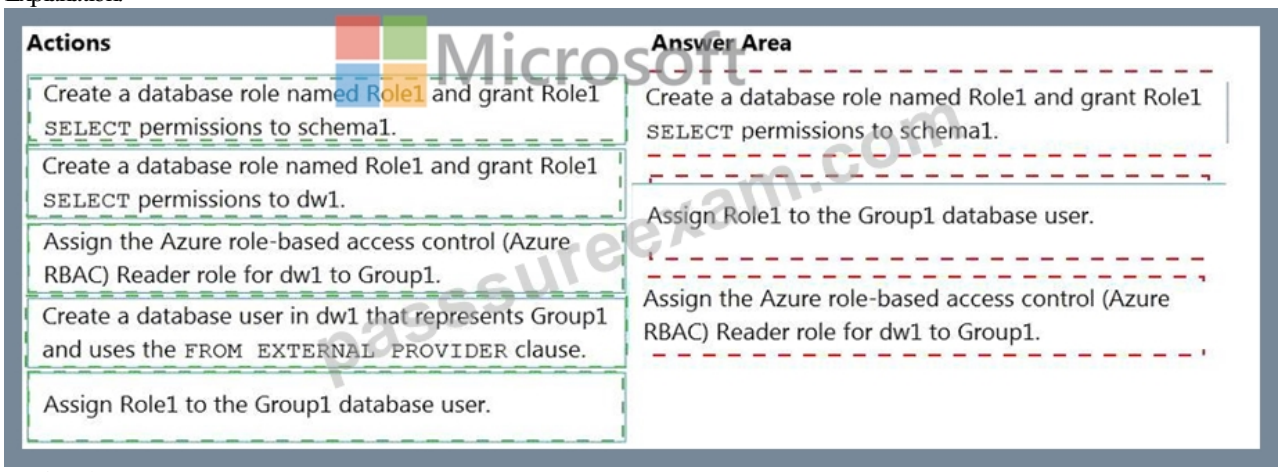
https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-features#partitions

NEW QUESTION # 326
You have an Azure Active Directory (Azure AD) tenant that contains a security group named Group1. You have an Azure Synapse Analytics dedicated SQL pool named dw1 that contains a schema named schema1.
You need to grant Group1 read-only permissions to all the tables and views in schema1. The solution must use the principle of least privilege.
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.
NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

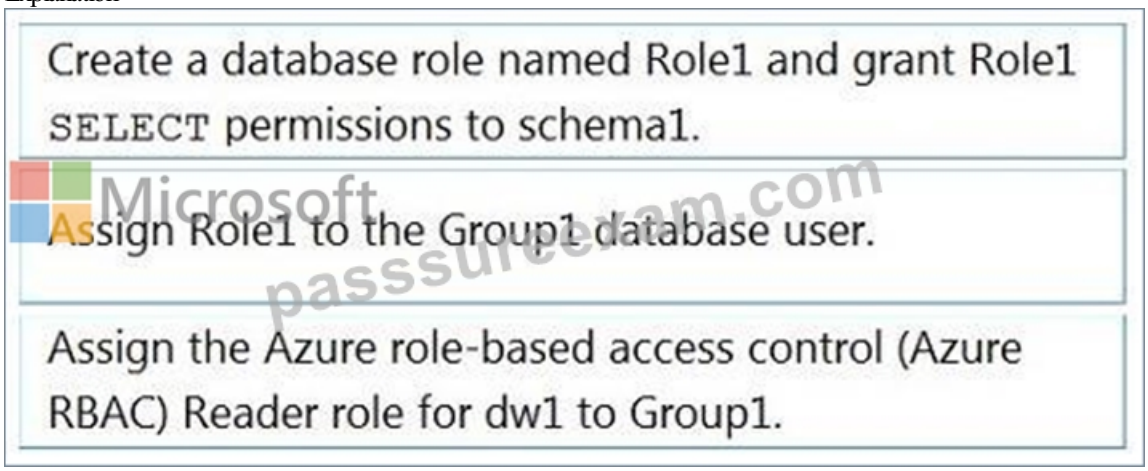


Answer:

Explanation:



Explanation



Step 1: Create a database role named Role1 and grant Role1 SELECT permissions to schema You need to grant Group1 read-only permissions to all the tables and views in schema1.
Place one or more database users into a database role and then assign permissions to the database role.

Step 2: Assign Roll to the Group database user
Step 3: Assign the Azure role-based access control (Azure RBAC) Reader role for dw1 to Group1 Reference:
https://docs.microsoft.com/en-us/azure/data-share/how-to-share-from-sql

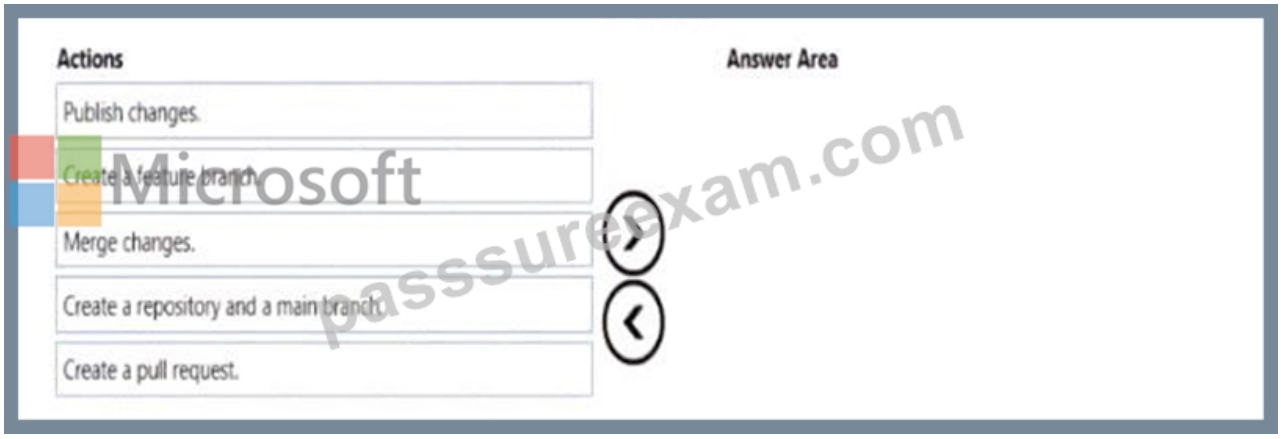
NEW QUESTION # 327
You plan to perform batch processing in Azure Databricks once daily.
Which type of Databricks cluster should you use?

- A. automated
- B. interactive
- C. High Concurrency

Answer: A

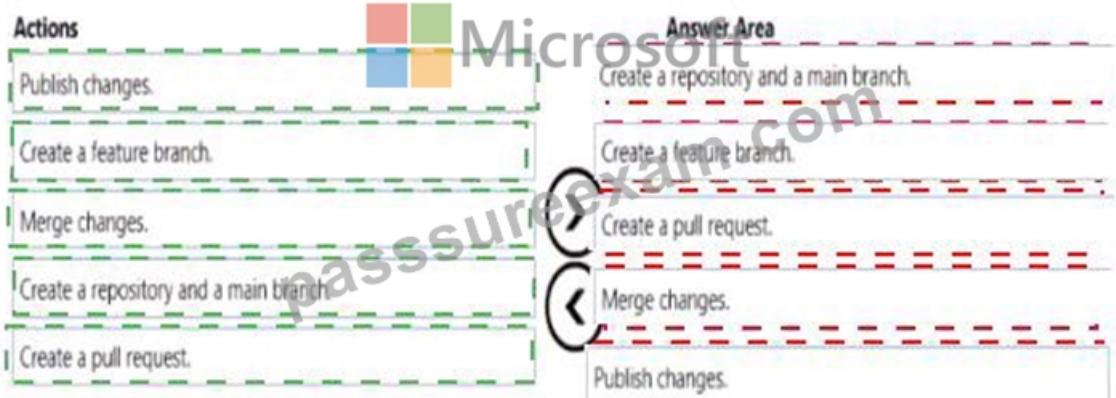
Explanation:
Explanation
Azure Databricks has two types of clusters: interactive and automated. You use interactive clusters to analyze data collaboratively with interactive notebooks. You use automated clusters to run fast and robust automated jobs.
Example: Scheduled batch workloads (data engineers running ETL jobs)
This scenario involves running batch job JARs and notebooks on a regular cadence through the Databricks platform.
The suggested best practice is to launch a new cluster for each run of critical jobs. This helps avoid any issues (failures, missing SLA, and so on) due to an existing workload (noisy neighbor) on a shared cluster.
Reference:
https://docs.databricks.com/administration-guide/cloud-configurations/aws/cmbp.html#scenario-3-scheduled-bat

NEW QUESTION # 328
You need to implement versioned changes to the integration pipelines. The solution must meet the data integration requirements.
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:



Explanation
Graphical user interface, application Description automatically generated

Scenario: Identify a process to ensure that changes to the ingestion and transformation activities can be version-controlled and developed independently by multiple data engineers.
Step 1: Create a repository and a main branch
You need a Git repository in Azure Pipelines, TFS, or GitHub with your app.
Step 2: Create a feature branch
Step 3: Create a pull request
Step 4: Merge changes
Merge feature branches into the main branch using pull requests.
Step 5: Publish changes
Reference:
https://docs.microsoft.com/en-us/azure/devops/pipelines/repos/pipeline-options-for-git

NEW QUESTION # 329
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