Marvelous Databricks-Certified-Professional-Data-Engineer - Databricks Certified Professional Data Engineer Exam Latest Exam Format

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To take the Databricks Certified Professional Data Engineer certification exam, candidates must have a strong background in data engineering and experience working with Databricks. Databricks-Certified-Professional-Data-Engineer Exam consists of multiple-choice questions and hands-on tasks that require candidates to demonstrate their ability to design, build, and manage data processing systems using Databricks. Databricks-Certified-Professional-Data-Engineer exam covers a wide range of topics, including data ingestion, data transformation, data storage, data processing, and data visualization. Upon successful completion of the exam, candidates will receive a Databricks Certified Professional Data Engineer certification, which demonstrates their expertise in using Databricks to build and maintain data processing systems.

Databricks is a cloud-based data engineering platform that allows organizations to process large amounts of data quickly and efficiently. The platform leverages Apache Spark to perform data processing tasks and offers a wide range of tools and services to support data engineering workflows. Databricks also provides certification programs for data professionals who want to demonstrate their expertise in using the platform. One of these certifications is the Databricks Certified Professional Data Engineer exam.

Achieving the Databricks Certified Professional Data Engineer certification is a valuable asset for data professionals. It demonstrates that the individual has the necessary knowledge and skills to work with big data and cloud computing technologies, specifically with Databricks Unified Analytics Platform. Databricks Certified Professional Data Engineer Exam certification is recognized by leading organizations and can help individuals advance their careers in the field of data engineering. It also provides a competitive advantage over other candidates while applying for jobs in the field of big data and cloud computing.

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I believe that a lot of people working in the IT industry hope to pass some IT certification exams to obtain the corresponding certifications. Some IT authentication certificates can help you promote to a higher job position in this fiercely competitive IT industry. Now the very popular Databricks Databricks-Certified-Professional-Data-Engineer authentication certificate is one of them. Although passing the Databricks certification Databricks-Certified-Professional-Data-Engineer exam is not so easy, there are still many ways to help you successfully pass the exam. While you can choose to spend a lot of time and energy to review the related IT knowledge, and also you can choose a effective training course. PassExamDumps can provide the pertinent simulation test,which is very effective to help you pass the exam and can save your precious time and energy to achieve your dream. PassExamDumps will be your best choice.

Databricks Certified Professional Data Engineer Exam Sample Questions (Q143-Q148):

NEW QUESTION # 143
A new data engineer new.engineer@company.com has been assigned to an ELT project. The new data engineer will need full privileges on the table sales to fully manage the project.
Which of the following commands can be used to grant full permissions on the table to the new data engineer?

- A. 1. GRANT SELECT CREATE MODIFY ON TABLE sales TO new.engineer@company.com;
- B. 1. GRANT ALL PRIVILEGES ON TABLE sales TO new.engineer@company.com;
- C. 1. GRANT SELECT ON TABLE sales TO new.engineer@company.com;
- D. 1. GRANT USAGE ON TABLE sales TO new.engineer@company.com;
- E. 1. GRANT ALL PRIVILEGES ON TABLE new.engineer@company.com TO sales;

Answer: B

NEW QUESTION # 144
A data engineer is configuring a Databricks Asset Bundle to deploy a job with granular permissions. The requirements are:
* Grant the data-engineers group CAN_MANAGE access to the job.
* Ensure the auditors' group can view the job but not modify/run it.
* Avoid granting unintended permissions to other users/groups.
How should the data engineer deploy the job while meeting the requirements?

- A. resources:
  jobs:
  my-job:
  name: data-pipeline
  tasks: [...]
  job_clusters: [...]
  permissions:
  - group_name: data-engineers
  level: CAN_MANAGE
  - group_name: auditors
  level: CAN_VIEW
- B. resources:
  jobs:
  my-job:

name: data-pipeline
tasks: [...]
job_clusters: [...]
permissions:
- group_name: data-engineers
level: CAN_MANAGE
- group_name: auditors
level: CAN_VIEW
- group_name: admin-team
level: IS_OWNER

- C. resources:
jobs:
my-job:
name: data-pipeline
tasks: [...]
job: [...]
permissions:
- group_name: data-engineers
level: CAN_MANAGE
permissions:
- group_name: auditors
level: CAN_VIEW

- D. permissions:
- group_name: data-engineers
level: CAN_MANAGE
- group_name: auditors
level: CAN_VIEW
resources:
jobs:
my-job:
name: data-pipeline
tasks: [...]
job_clusters: [...]

Answer: A

Explanation:
Comprehensive and Detailed Explanation from Databricks Documentation:
Databricks Asset Bundles (DABs) allow jobs, clusters, and permissions to be defined as code in YAML configuration files.
According to the Databricks documentation on job permissions and bundle deployment, when defining permissions within a job resource, they must be scoped directly under that specific job's definition. This ensures that permissions are applied only to the intended job resource and not inadvertently propagated to other jobs or resources.
In this scenario, the data engineer must grant the data-engineers group CAN_MANAGE access, allowing them to configure, edit, and manage the job, while the auditors group should only have CAN_VIEW, giving them read-only access to see configurations and results without the ability to modify or execute. Importantly, no additional groups should be granted permissions, in order to follow the principle of least privilege.
Options A and B introduce unnecessary or unintended groups (like admin-team in A) or define permissions outside of the job scope (as in B). Option C improperly separates the permissions block outside the job resource, which is not aligned with Databricks bundle best practices.
Option D is the correct approach because it defines the job resource my-job with its name, tasks, clusters, and the exact intended permissions (CAN_MANAGE for data-engineers and CAN_VIEW for auditors). This aligns with Databricks' principle of least privilege and ensures compliance with governance standards in Unity Catalog-enabled workspaces.

NEW QUESTION # 145
You are working on a marketing team request to identify customers with the same information between two tables CUSTOMERS_2021 and CUSTOMERS_2020 each table contains 25 columns with the same schema, You are looking to identify rows that match between two tables across all columns, which of the following can be used to perform in SQL

- A. 1.SELECT * FROM CUSTOMERS_2021
2. UNION ALL

3.SELECT * FROM CUSTOMERS_2020
- B. 1.SELECT * FROM CUSTOMERS_2021 C1
  2.INNER JOIN CUSTOMERS_2020 C2
  3.ON C1.CUSTOMER_ID = C2.CUSTOMER_ID
- C. 1.SELECT * FROM CUSTOMERS_2021
  2.EXCEPT
  3.SELECT * FROM CUSTOMERS_2020
- D. 1.SELECT * FROM CUSTOMERS_2021
  2. INTERSECT
  3.SELECT * FROM CUSTOMERS_2020
- E. 1.SELECT * FROM CUSTOMERS_2021
  2. UNION
  3.SELECT * FROM CUSTOMERS_2020

Answer: D

Explanation:
Explanation
Answer is,
1.SELECT * FROM CUSTOMERS_2021
2. INTERSECT
3.SELECT * FROM CUSTOMERS_2020
To compare all the rows between both the tables across all the columns using intersect will help us achieve that, an inner join is only going to check if the same column value exists across both the tables on a single column.
INTERSECT [ALL | DISTINCT]
*Returns the set of rows which are in both subqueries.
If ALL is specified a row that appears multiple times in the subquery1 as well as in subquery will be returned multiple times.
If DISTINCT is specified the result does not contain duplicate rows. This is the default.

NEW QUESTION # 146
A data engineer has created a transactions Delta table on Databricks that should be used by the analytics team. The analytics team wants to use the table with another tool that requires Apache Iceberg format.
What should the data engineer do?

- A. Convert the transactions Delta table to Iceberg and enable uniform so that the table can be read as a Delta table.
- B. Create an Iceberg copy of the transactions Delta table which can be used by the analytics team.
- C. Require the analytics team to use a tool that supports Delta table.
- D. Enable uniform on the transactions table to 'iceberg' so that the table can be read as an Iceberg table.

Answer: A

Explanation:
Delta Lake introduced Delta Universal Format (Delta UniForm), which allows seamless interoperability between Delta Lake and Apache Iceberg. This means a Delta table can be converted into an Iceberg table while maintaining Delta capabilities.
Explanation of Each Option:
(A) Require the analytics team to use a tool that supports Delta table
Incorrect: While Delta Lake is widely used, requiring the team to change tools is not a flexible or scalable solution.
(B) Enable uniform on the transactions table to 'iceberg' so that the table can be read as an Iceberg table Incorrect:
The uniform feature must be enabled after conversion.
You cannot directly enable uniform without first converting the table.
(C) Create an Iceberg copy of the transactions Delta table which can be used by the analytics team Incorrect:
Creating a separate Iceberg copy would duplicate storage and increase maintenance complexity.
This is not necessary when Delta UniForm allows direct compatibility with Iceberg.
(D) Convert the transactions Delta table to Iceberg and enable uniform so that the table can be read as a Delta table Correct:
The best approach is to convert the existing Delta table to Iceberg using the Databricks Delta to Iceberg migration tools.
After conversion, enabling uniform ensures the table remains accessible in both Delta and Iceberg formats.
Conclusion:
The best practice for interoperability between Delta and Iceberg is to convert the Delta table to Iceberg and enable uniform, ensuring cross-compatibility without data duplication.
Thus, Option (D) is the correct answer.

Reference:
Delta UniForm for Apache Iceberg - Databricks Documentation
Convert Delta to Iceberg - Databricks

NEW QUESTION # 147

Which of the following SQL statements can replace a python variable, when the notebook is set in SQL mode
1.table_name = "sales"
2.schema_name = "bronze"

- A. spark.sql(f"SELECT * FROM {schem_name.table_name}")
- B. spark.sql(f"SELECT * FROM ${schema_name}.${table_name}")
- C. spark.sql(f"SELECT * FROM f{schema_name.table_name}")
- D. spark.sql("SELECT * FROM schema_name.table_name")
- E. spark.sql(f"SELECT * FROM {schema_name}.{table_name}")

Answer: E

Explanation:
Explanation
The answer is spark.sql(f"SELECT * FROM {schema_name}.{table_name}")

NEW QUESTION # 148

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