

Free PDF 2026 Databricks-Certified-Data-Engineer-Professional: Unparalleled Pass Databricks Certified Data Engineer Professional Exam Guarantee



Purpose of this Exam Guide

The purpose of this exam guide is to give you an overview of the exam and what is covered on the exam to help you determine your exam readiness. This document will get updated anytime there are any changes to an exam (and when those changes will take effect on an exam) so that you can be prepared. This version covers the currently live version as of August 1, 2023

Audience Description

The Databricks Certified Data Engineer Professional certification exam assesses an individual's ability to use Databricks to perform advanced data engineering tasks. This includes an understanding of the Databricks platform and developer tools like Apache Spark, Delta Lake, MLflow, and the Databricks CLI and REST API. It also assesses the ability to build optimized and cleaned ETL pipelines. Additionally, modeling data into a Lakehouse using knowledge of general data modeling concepts will also be assessed. Finally, ensuring that data pipelines are secure, reliable, monitored, and tested before deployment will also be included in this exam. Individuals who pass this certification exam can be expected to complete advanced data engineering tasks using Databricks and its associated tools.

About the Exam

- Number of items: 60 multiple-choice questions
- Time limit: 120 minutes
- Registration fee: USD 200, plus applicable taxes as required per local law
- Delivery method: Online Proctored
- Test aides: none allowed
- Prerequisite: None required; course attendance and 1 year of hands-on experience in Databricks is highly recommended
- Validity: 2 years
- Unsourced Content: Exams may include unsourced items to gather statistical information for future use. These items are not identified on the form and do not impact your score, and additional time is factored into account for this content.

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Databricks Databricks-Certified-Data-Engineer-Professional Exam Syllabus Topics:

Section	Objectives
Data Ingestion and Processing	- Batch and streaming ingestion with Auto Loader - ETL pipeline design patterns - Structured Streaming fundamentals
Data Modeling and Transformation	- Spark SQL transformations - Dimensional modeling concepts - Performance optimization techniques

Delta Lake and Data Management	- Schema evolution and enforcement - Delta Lake transactions and ACID properties - Time travel and versioning
Production Pipelines and Orchestration	- Job scheduling and monitoring - Databricks Workflows - Error handling and recovery strategies
Databricks Lakehouse Platform Architecture	- Workspace and cluster architecture - Medallion architecture (Bronze, Silver, Gold) - Data governance concepts (Unity Catalog basics)

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Databricks Certified Data Engineer Professional Exam Sample Questions (Q46-Q51):

NEW QUESTION # 46

The data architect has mandated that all tables in the Lakehouse should be configured as external Delta Lake tables. Which approach will ensure that this requirement is met?

- **A. Whenever a table is being created, make sure that the location keyword is used.**
- B. When the workspace is being configured, make sure that external cloud object storage has been mounted.
- C. When tables are created, make sure that the external keyword is used in the create table statement.
- D. Whenever a database is being created, make sure that the location keyword is used
- E. When configuring an external data warehouse for all table storage, leverage Databricks for all ELT.

Answer: A

Explanation:

This is the correct answer because it ensures that this requirement is met. The requirement is that all tables in the Lakehouse should be configured as external Delta Lake tables. An external table is a table that is stored outside of the default warehouse directory and whose metadata is not managed by Databricks. An external table can be created by using the location keyword to specify the path to an existing directory in a cloud storage system, such as DBFS or S3. By creating external tables, the data engineering team can avoid losing data if they drop or overwrite the table, as well as leverage existing data without moving or copying it.

NEW QUESTION # 47

When a new Databricks project starts, the central IP team provisions the required infrastructure using Terraform and a Service Principal. This includes creating a Databricks workspace, a Unity Catalog linked to an External Location, and a Databricks group containing all project team members. Project teams must store all assets - e.g., tables and volumes, as Managed assets in Unity Catalog. This model hides infrastructure complexity while giving teams autonomy within their catalog. They can create and manage schemas, tables, volumes, and related objects but cannot rename, delete, or change catalog permissions, those remain under IT's control. Which rights should the project group be granted to enable this model?

- A. The group should be made OWNER of the catalog.
- B. The group needs to have ALL PRIVILEGES and the MANAGE on the catalog.
- C. The group needs to have ALL PRIVILEGES on the catalog.
- **D. The group needs to have USE CATALOG and USE SCHEMA on the catalog.**

Answer: D

Explanation:

Granting the project group USE CATALOG (and USE SCHEMA on existing schemas) allows team members to work within the catalog without giving them ownership or administrative control.

This enables teams to create and manage schemas, tables, and volumes inside the catalog while preventing them from renaming, deleting, or modifying catalog-level permissions, which remain under central IT governance.

NEW QUESTION # 48

A data engineer is testing a collection of mathematical functions, one of which calculates the area under a curve as described by another function.

Which kind of the test does the above line exemplify?

- **A. Unit**
- B. functional
- C. End-to-end
- D. Manual
- E. Integration

Answer: A

Explanation:

A unit test is designed to verify the correctness of a small, isolated piece of code, typically a single function. Testing a mathematical function that calculates the area under a curve is an example of a unit test because it is testing a specific, individual function to ensure it operates as expected.

NEW QUESTION # 49

A healthcare analytics team is implementing a dimensional model in Delta Lake for patient care analysis. They have a date dimension table and are evaluating design options to ensure it supports a wide range of time-based analyses. Which design approach for the date dimension will support efficient time-based querying and aggregation?

- A. Create separate dimension tables for different calendar systems (fiscal, academic, etc.)
- B. Store only the date value and calculate all time attributes in queries.
- C. Store the date as string in ISO format (YYYY-MM-DD) for readability.
- **D. Pre-calculate attributes like fiscal_period, quarter, month_name, day_of_week, and holiday.**

Answer: D

Explanation:

Pre-calculating commonly used time attributes in the date dimension enables efficient filtering, grouping, and aggregation without requiring repeated computations at query time. This design supports a wide range of time-based analyses and improves query performance and usability in dimensional models.

NEW QUESTION # 50

A data company uses Databricks Unity Catalog and has multiple enterprise data sources, including PostgreSQL, Snowflake, and SQL Server. The central data platform team wants to configure Lakehouse Federation so analysts can query external tables directly in Databricks using Databricks SQL, without duplicating data. Which steps are necessary to configure Lakehouse Federation in a secure and governed manner?

- A. Create external locations and storage credentials to connect to each database, then register foreign tables in Unity Catalog
- **B. Configure connections and foreign catalog in Unity Catalog, then grant access to foreign catalogs, schemas, and tables using Unity Catalog permissions.**
- C. Use Partner Connect to create linked datasets, and apply table ACLs at the source system to govern access through Databricks.
- D. Mirror the external datasets into Delta Lake using Auto Loader, and govern them using Data Lineage and System Tables.

Answer: B

Explanation:

Lakehouse Federation is configured by defining secure connections to external data sources and registering them as foreign catalogs in Unity Catalog. Access is then governed using Unity Catalog permissions at the catalog, schema, and table levels, enabling analysts to query external tables securely without data duplication.

NEW QUESTION # 51

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