



Introduction to Data Engineering in Databricks

LECTURE

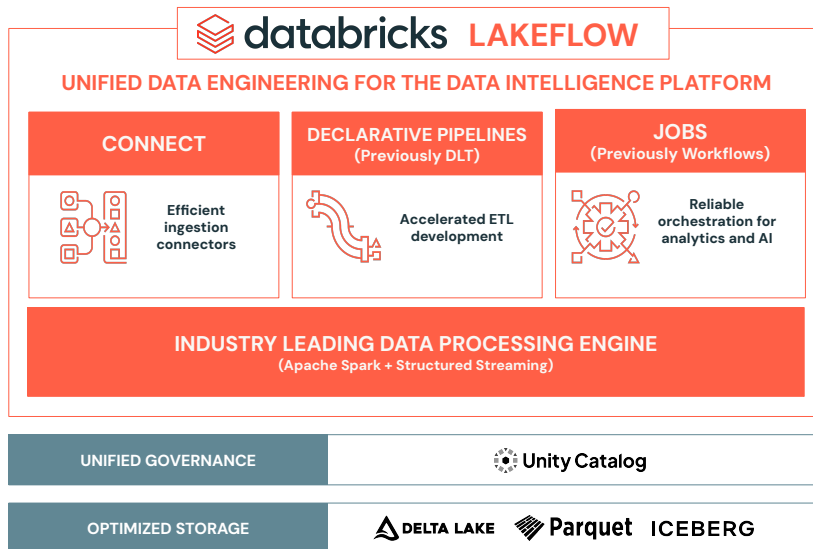
Data Engineering in Databricks



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In this lecture, we'll explore how Databricks streamlines data engineering by enabling seamless data ingestion and management using LakeFlow Connect and advanced storage solutions like Delta Lake, Parquet, and Iceberg.

Data Engineering in Databricks



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It all begins with optimized storage using Delta Lake, Parquet, or Iceberg.

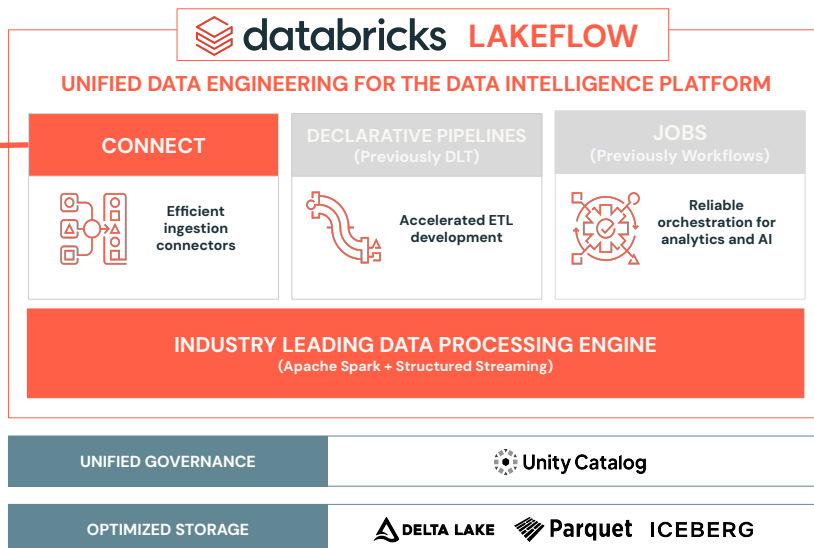
Built on top of this storage layer is unified governance with Unity Catalog. Unity Catalog is a centralized data catalog that provides access control, auditing, data lineage, quality monitoring, and data discovery across Databricks workspaces.

Databricks then offers **Lakeflow**, an end-to-end data engineering solution that empowers data engineers, software developers, SQL developers, analysts, and data scientists to deliver high-quality data for downstream analytics, AI, and operational applications. Lakeflow provides a unified platform for data ingestion, transformation, and orchestration, and includes the following components:

- **Lakeflow Connect:** A set of efficient ingestion connectors that simplify data ingestion from popular enterprise applications, databases, cloud storage, message buses, and local files.
- **Lakeflow Declarative Pipelines:** A framework for building batch and streaming data pipelines using SQL and Python, designed to accelerate ETL development.
- **Lakeflow Jobs:** A workflow automation tool for Databricks that orchestrates data processing workloads. It enables coordination of multiple tasks within complex workflows, allowing for the scheduling, optimization, and management of repeatable processes.

Data Engineering in Databricks

This course will focus on data ingestion with **LakeFlow Connect**



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This course will focus on data ingestion with LakeFlow Connect into the Databricks Data Intelligence platform.



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Thank you for completing this lesson and continuing your journey to develop your skills with us.