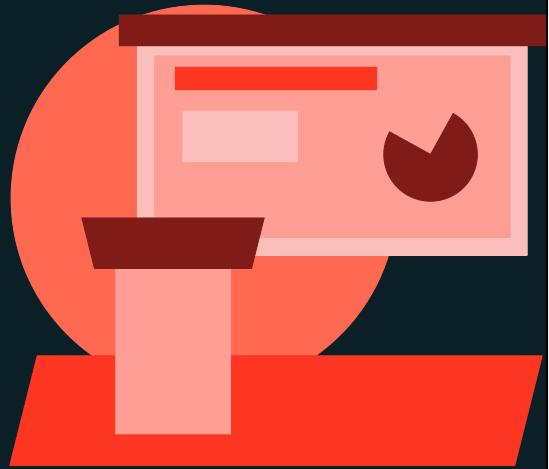




Building Pipelines

LECTURE

Additional Features Overview



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Databricks offers additional features like Lakehouse Federation for direct external queries, Zerobus for high-throughput event ingestion, Delta Sharing for secure cross-platform data exchange, and the Databricks Marketplace for instant access to shared data and AI assets—all expanding your data management and collaboration capabilities in the Lakehouse.

Additional Features Overview

What's Next: Features Outside This Course

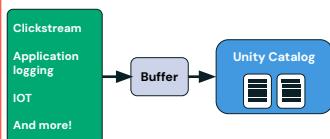


Lakehouse Federation

Allows you to **query external data sources** without moving your data

Especially useful for:

- Ad hoc reporting
- Proof-of-concept work
- The exploratory phase of new ETL pipelines or reports
- Supporting workloads during incremental migration



Zerobus (coming soon)

A Lakeflow Connect API that allows developers to **write event data directly to their lakehouse** at very high throughput (100 MB/s) with near real-time latency (<5 seconds)

Simplify ingestion for IOT, clickstreams, telemetry, and more.



Delta Sharing

Allows you to securely share data across platforms, clouds, and regions



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While this course focuses on Lakeflow Connect managed connectors, there are other ingestion features in Databricks that may be useful as your architecture evolves.

Let's briefly highlight them:

1. Lakehouse Federation lets you query external data sources directly without moving the data into the lakehouse.

It's especially useful for:

- Ad hoc analysis
- Proof-of-concept development
- Exploratory work for new ETL pipelines or reports
- Supporting hybrid workloads during incremental cloud migration

For more details, see the official [What is Lakehouse Federation](#) documentation.

[Lakehouse Federation: Discover, query and govern your data — no matter where it lives](#)

Additional Features Overview

What's Next: Features Outside This Course

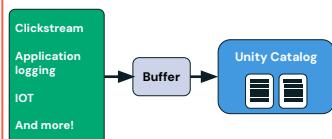


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2. Zerobus is a a Lakeflow Connect API that allows developers to write event data directly to their lakehouse at very high throughput (100 MB/s) with near real-time latency (<5 seconds). It simplifies ingestion for IOT, clickstreams, telemetry, and more.

- [Eliminate Hops in Your Streaming Architecture with Zerobus, Part of Lakeflow Connect](#)
- [Announcing the General Availability of Databricks Lakeflow](#)

3. Delta Sharing allows you to securely share data across platforms, clouds, and regions.

- [Delta Sharing Demo](#)
- [What is Delta Sharing documentation](#)

Additional Ingestion Features Overview

Ingesting Data with Databricks Marketplace



Open exchange for all data products

- **Datasets**
- **Notebooks**
- **Dashboards**
- **ML models**
- **Solutions Accelerators**

Powered by  Delta Sharing



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Databricks Marketplace is an open marketplace for all your data, analytics and AI, powered by open source Delta Sharing standard. The Databricks Marketplace expands your opportunity to deliver innovation, and advance all your analytics and AI initiatives.

It is an open exchange for all data products:

- Datasets
- Notebooks
- Dashboards
- ML models
- Solutions Accelerators

[What is Databricks Marketplace](#) documentation

[Databricks Marketplace](#)

Ingesting Data with Databricks Marketplace

Delta Sharing with Databricks Marketplace

1

2

3

Get instant access!

Find your assets

Simulated Retail Customer Data

Overview

This dataset contains three tables, customers, sales, and sales_orders, that represent the details of a fictional retail company. The source csv files are also available with this dataset. The datasets are designed to accompany the Get Started with Databricks for Data Analysis course available on Databricks Academy.

Product details

This dataset consists of the following elements:

- The customers table lists customers who are located in the US and are buying the finished products.
- The sales table records item sales.
- The sales_orders table records the customers' originating purchase orders.
- The source volume provides the underlying data files used to create the tables.

License

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Data Source: Databricks

Details

Last updated	Sep 24
Pricing	Free
Access	Instantly available
Categories	Education
Visibility	Public

About this provider

Databricks

As the world's first lakehouse platform in the cloud, Databricks combines the best elements of data lakes and data warehouses to deliver the reliability, strong governance, and performance of data warehouses with the openness, flexibility, and machine learning support of data lakes. We are a cross-cloud platform that works across

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Getting started with data assets from Databricks Marketplace is quick and easy in just three simple steps:

1. Open the Marketplace - In your Databricks Workspace, navigate to the Databricks Marketplace.
2. Search for Assets - Use the search bar to browse available data assets. A great place to begin is with assets provided directly by Databricks.
3. Get Instant Access - Select the asset you need and click "Get instant access."

That's it! You're ready to start using shared, curated data assets.



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