Delta Lake and Delta Tables

Databricks Cloud

Delta Lake

ScholarNest

What is Delta Lake?

Delta Lake is an open-source storage framework.

Key Features

- ACID transactions
- Deletes, update, and merge
- Schema enforcement and evolution
- Data versioning and Time travel
- Streaming and batch unification
- Optimizations

ScholarNest

How to use delta lake?

Delta Lake is available as a connector

Apache Spark™
Spark
This connector allows Apache Spark™ to read from and write to Delta Lake.

Snowflake (Beta)
This preview allows Snowflake to read from Delta Lake via an external table.

Redshift
Redshift   AWS   manifest
This utility allows AWS Redshift to read from Delta Lake using a manifest file.

Apache Hive
Hive   standalone
This connector allows Apache Hive to read from Delta Lake.

PrestoDB
PrestoDB   standalone
This connector allows PrestoDB to read from Delta Lake.

Apache Flink
Flink   standalone
This connector allows Apache Flink to write to Delta Lake.

Power BI
PowerBI   community
This connector allows Power BI to read from Delta Lake.

Kafka Delta Ingest
Kafka   Rust
This project builds a highly efficient daemon for streaming data through Apache Kafka into Delta Lake.

Apache Beam (Beta)
Beam   standalone   community
This connector allows Apache Beam to read from Delta Lake.