LakeFusion

Databricks Native MDM, AI Powered

Seamless integration with Databricks Lakehouse, LakeFusion is designed to operate natively within the Databricks Lakehouse environment. This ensures a smooth, efficient experience, allowing you to leverage the full potential of a unified data analytics platform for unparalleled performance and scalability

Problem Statement

Organizations are making significant investments in Gen AI solutions through their Databricks platform. However, challenges such as data quality issues and Master Data Management (MDM) problems, including missing values, duplicates, inconsistencies, and errors, pose a threat to the accuracy and reliability of AI models and applications. Utilizing third-party MDM solutions not native to Databricks often leads to integration complexities and higher costs

Key Features

MDM on Databricks
Lakefusion is natively integrated with Databricks and utilizes the Databricks platform to deliver a seamless Master Data Management solution

Entity Resolution at Scale
LakeFusion can handle any entity type, from customer data to product listings, across vast datasets

Advanced Matching Algorithms
Utilize state-of-the-art algorithms that ensure high accuracy and relevance in matching results

Real-Time Processing
Experience lightning-fast matching capabilities that keep up with the pace of your business needs

Benefits for Business Analysts

Data-Driven Insights
- Empower your analysis with comprehensive and accurate data matching with a variety of LLM models

User-Friendly Interface
- Experience a streamlined user interface powered by LLM models, enabling analysts to concentrate on deriving actionable insights without getting bogged down by complex data workflows

Scalability
- LakeFusion is integrated seamlessly within the Databricks platform. As your business expands effortlessly, leverage the platform's scalability to accommodate your growing needs

Cost-Effective
- Benefit from Databricks Lakehouse's optimized resource management to keep operational costs low

Contact Us

Experience the Future of Entity Matching

Join the ranks of leading businesses that trust LakeFusion for their entity resolution needs. Harness the full potential of your data with a solution that's built for performance, scale, and cost efficiency

We leverage the power of large language models (LLMs) to build a MDM solution for deduplication of business entities by matching records

Use Cases

Retail & E-Commerce

- Customer Data Integration: Merge duplicate customer records
- Product Catalog Management: Consolidate product listings
- Vendor Data Management: Merge vendor records
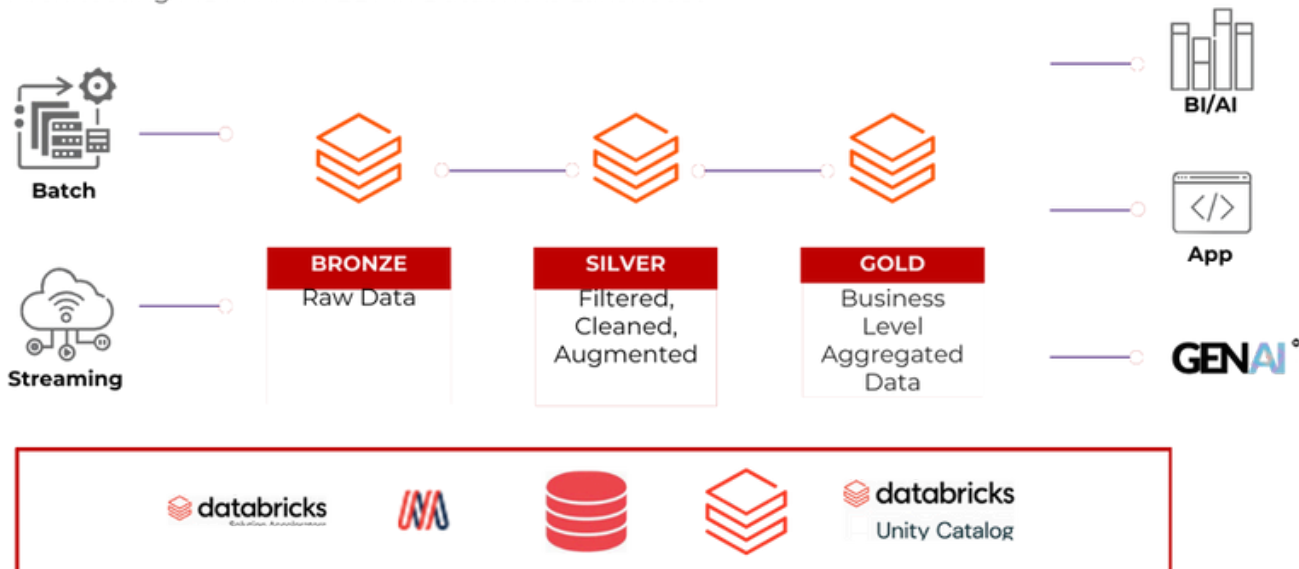
Banking & Financial Services

- Customer Identity Resolution: Unify customer records
- Fraud Detection: Identify duplicate fraudulent identities
- Loan Applicant Deduplication: Combine loan applicant records

Healthcare

- Patient Record Matching: Merge patient records
- Provider Data Management: Consolidate healthcare provider records
- Clinical Trial Management: Ensure unique trial participant records

BLUEPRINTING THE FUTURE OF MDM

Architecting MDM NATIVELY in Databricks Lakehouse

Batch

Streaming

BRONZE
Raw Data

SILVER
Filtered, Cleaned, Augmented

GOLD
Business Level Aggregated Data

BI/AI

App

GENAI°

databricks

databricks Unity Catalog

BUSINESS & DATA RULES ENGINES

UI Management | Data Quality | Entity Matching | Match & Merge | Master Record | LLM Model

Contact Us

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