Major American Healthcare firm enriched their data quality deploying TMDC's DataOS

Industry

Healthcare

Headquarters

Oakland, CA

Objective

Improve data quality and work faster on data to achieve accurate business insights

TMDC Solution

The Modern Data Company deployed DataOS in six weeks, ingesting different types of data and providing features to enrich and enhance data quality

DataOS Key Benefits

- Created a holistic and unified view of customer's data

- Data profiled and quality checked based on configurable rules for consistency, uniqueness etc.

- 3x faster time from data to accurate business insights compared to dealing with bad data

The Customer

Our customer is a major American healthcare provider with operations in 9 states in the US and operates with more 39 hospitals, 700 medical offices, and about 80,000 physicians and nurses.

The Challenge

The healthcare industry is a volatile one. Constantly changing compliance regulations, advanced treatment options, and onset of rare diseases, rapidly aging population are combining to create a large influx of data that must be appropriately accessed, stored and managed.

Our customer has data coming from multiple data sources and applications, in a variety of formats-and at a greater volume. This created inconsistencies in data and their data became unreliable. Our customer needed a data management tool that could handle all their data efficiently, while enhancing and ensuring high data quality.

A Unified View of Complex Data

Unlike other data management platforms, we completed an end-to-end deployment of DataOS on the customer's cloud within six weeks. We connected DataOS to all the data source systems and applications of our customer. We ingested data from all the data sources and profiled their data based on the data validation rules set up by our customer. DataOS is able to instantly show the quality of their data based on its completeness, consistency etc.

The Benefits

DataOS helped our customer to

- Handle large volumes of data from diverse data sources and applications

- Evaluate data quality by pre-defining data quality rules with respect to accuracy, Accuracy, Completeness, Consistency, Relevance and Uniqueness.

- Act on poor data and take necessary steps to enrich it and improve the data quality

- 3x faster time from data to accurate business insights compared to dealing with bad data

How did our Customer use DataOS

In DataOS, data is validated on five critical factors: Accuracy, Completeness, Consistency, Relevance and Uniqueness. All of these data rules are configured by our customer and they accessed the quality of their data in matter of seconds. Datasets with poor data quality are enhanced by exploring the data with most advanced SQL workbench and then analyzed. With improved data quality, analysis performed on the data resulted in accurate and timely business insights.

About DataOS®

DataOS enables enterprises to ingest, process, transform, govern, and orchestrate data from disparate data sources to deliver a trusted and real-time view of customer and business data. DataOS humanizes data and its access, breaks data silos and transforms companies as they take steps towards data democracy and gaining business insights in real-time.

About The Modern Data Company

Founded in 2018, The Modern Data Company (TMDC) began with the realization that enterprise-wide data access has been siloed. Data engineers and database administrators have been the longstanding data gatekeepers who funneled data to analysts and data scientists. We aim to change that by freeing enterprises to make better data driven decisions by democratizing access to data. When all employees, irrespective of their technical skills or background, can easily explore and analyze enterprise data, then both productivity and market expansion are realized at a faster pace.