HCL

Teradata to Snowflake migration for a retail customer

Fast-tracking the cloud migration journey to a modern system

Client Description

The client is an American retail company primarily involved in the sale of office supplies and related products, via retail channels and business-to-business-oriented delivery operations. It helps customers with a full range of business services like print and marketing services, furniture and design services, installation services and managed print services.

Challenges

Teradata has been a popular on-premise data base system, but with Teradata end-of-life nearing, our client wanted to move from the current system to Snowflake which would have enhanced the data analytics capabilities and also would have optimized the overall TCO. Here are some of the challenges our client was seeking to address with the migration. Here are some of the challenges:

| EDW built on Teradata using rLDM data model | Informatica and BTEQ used in ETL and ELT space | Presence of multiple aggregate data bases created outside of Teradata environment |

The Transformation Journey

Migration from an older system to a modern system is a complicated process and demands carefully planned and well executed approach. After thorough examination and analysis, HCL followed a step-by-step approach to reimagine client's migration journey.
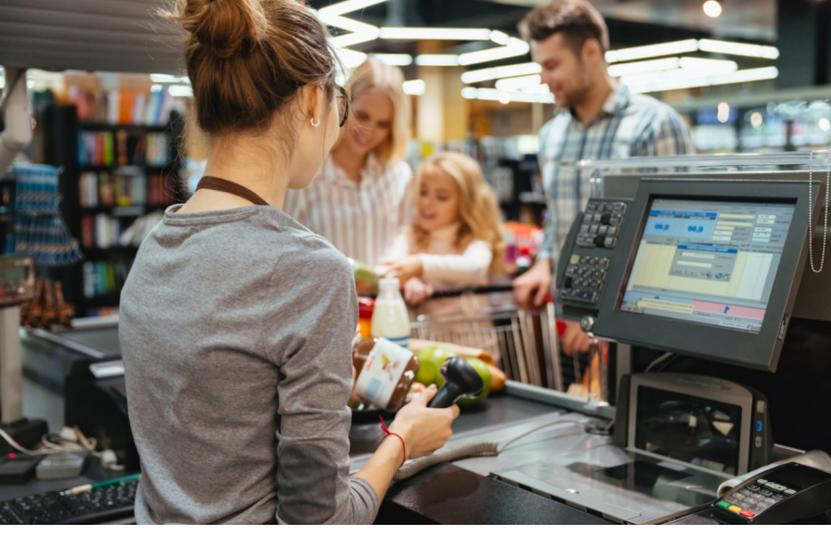
Rationalized the ETL, ELT and Teradata objects based on the usage and similarity analyses

Built raw, refined, and confirmed layer on Azure blob

Ingested data to raw layer from operational sources in accordance with defined requirements

Refined, transformed and load data to confirmed layer data store from raw layer and enabled access for reporting and Data science team

Enhanced Reporting/ Dashboard platform to consume data from Snowflake

Benefits

Through the carefully crafted step by step approach, HCL was able to successfully migrate the client to Snowflake and was able to avoid any hiccups post and pre migration. Here's how client was able to optimize the results through the new modern system.

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Standardized/rationalized set of data assets in Snowflake	40% reduced TCO	30% reduction in siloed datasets from the ecosystem	Scalable platform served the additional data & reporting requirements	40% improvement in the holistic reporting performance