

Continuus Transforms Credit Union Data Infrastructure for Enhanced Efficiency and Insight

Continuus migrated the firm's on-premise database and modernized its data architecture with a Snowflake implementation to achieve faster, data-driven decision-making.

At a Glance

About

Data Service Department at a 100k+ Member-Owned Credit Union with \$2.5B in Assets that needed to modernize its limited on-premise Oracle database to enable scalable, data-driven operations

Solution

Designed a scalable Snowflake-based solution, ultimately implementing a Basic enterprise data framework that centralized reporting, streamlined analytics, and enabled the Executive team to track performance through a single dashboard.

Outcome

Improved query performance, with speeds up to 7,000 times faster than on-premise Oracle database. Reduced time to insight, saving an average of 25 minutes per dashboard

Problem

This credit union aimed to modernize its data infrastructure to improve operational efficiency, security, and analytics. The executive team sought to become a data-driven organization, leveraging historical data for informed decision-making. Their existing on-premise Oracle database could store only two years of data, requiring regular purges to manage capacity. To address this, they turned to Continuus for expertise in designing and implementing a scalable, modern data architecture.

Solution

Continuus and the client began with a one-month Proof of Concept engagement to assess the existing architecture and design a future-ready solution. They recommended two options: a Basic enterprise data architecture utilizing the firm's in-house scheduler, and a Premium option with a commercial ETL tool. The firm chose the Basic architecture, which was then successfully implemented alongside Snowflake, resulting in a scalable and efficient data infrastructure.

Implementing Snowflake marked a key first step in the credit union's transformation into a data-driven organization. Centralizing all their data in Snowflake enabled reporting teams to efficiently access, analyze, and confirm year-over-year performance. By connecting visualizations to reports, the Executive team now uses a single dashboard to track and understand the firm's performance over time.

Outcome

One of the primary benefits of migrating their data to a Snowflake ecosystem was enhanced historical data analysis and query performance. Snowflake operates 900 to 7,000 times faster than their on-premise Oracle database, delivering results in milliseconds compared to the 4-5.5 minutes it previously took. This centralization has significantly reduced time to insight, saving an average of 25 minutes per dashboard using Snowflake and Power BI.