

# 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.