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Tier One Bank Snowflake Implementation

OVERVIEW



CHALLENGE

A client was seeking to respond to the move towards cross-CUSO entity monitoring by creating a Snowflake cloud-based database to store appropriate data. The client operates in silos, and a centralized database is needed to improve risk reporting operations and monitor risk on a CUSO level.



SOLUTION

Treliant was selected to help the client deliver a move to a Snowflake environment quickly with as much data as possible in a short timeframe. A subsequent phase focused on reports outputs, identifying missing attributes and adding them to the Snowflake instance.



APPROACH

The project started with pre-study and pre-planning phases, including high-level mapping of bank data to Snowflake and estimation of required efforts. The Treliant team then focused on mapping the client's data, extracting and filtering conditions, converting data, and populating Snowflake tables. This phase was broken down into three areas: Common/Reference data, Traded Products, and Bank-Only Products. The team also worked closely with Security Entity members to understand the design of Snowflake tables and provide requirements for Bank-Only Products. The final phase dealt with report outputs: understanding required attributes, analyzing report generation rules, and identifying automation possibilities.

RESULTS

- ✓ The centralized database enabled the client to meet regulators' guidelines and report risk accordingly.
- ✓ The implementation of the centralized cloud-based database improved client operations and reduces overhead.
- ✓ The Snowflake environment enabled efficient storage and management of client data for monitoring risk on a CUSO level.
- ✓ The process is being extended to the firm's Bank entity; Treliant was selected to continue with this phase.