CLIENT CASE STUDY

Modernize Investment Portfolio Management Ecosystem

The Client

A global leader in investment management with over 50 years of experience, provides a wide range of services including research and wealth management to both individual and institutional investors around the world. With a workforce of over 4,500 employees located in offices globally, the client is a trusted name in the investment industry.

Key Takeaways

- Modernized and integrated data processing yields enhanced insights into account and securities management.
- Automated processes for transactions and report generation reduce manual effort and increase efficiency.

Tech Stack

.Net

Azure

Oracle

Java

C++

The Challenge

The client's legacy investment portfolio management ecosystem, burdened by high data volume, manual processes, and inflexible reporting, required a C/C++ migration to overcome critical challenges:

Data Volume
The system struggled to manage 14,000 diverse accounts and over 900,000 securities with associated pricing, paydown, and income data.

Manual Transaction Input
Millions of daily transaction records were manually imported, causing errors and data latency.

Client Reporting
Generating customized periodic reports was time-consuming and prone to delays, risking client dissatisfaction.

Our Solution

In collaboration with the client, Rikkeisoft modernized and integrated the ecosystem, streamlining account management, security management, transaction processing, and performance evaluation into a unified workflow. This workflow was automated by Control-M to ensure timely execution.

The following components were developed as part of the engagement:

Account and Securities Data Management
This module was developed to track and manage large volumes of account and securities data. It reduces fragmentation and enables granular-level tracking across various asset classes.

Transaction Processing Automation
This module automates the generation of payup, paydown, income, dividend, and maturity transactions based on pre-defined security configurations. This automation speeds up the transaction process and reduces errors.

Automated Report Generation
This module automates the periodic generation of reports. It allows clients to customize reports by selecting specific fields and ensures on-schedule delivery, enhancing trust and transparency.

The Result

The implemented solutions established a streamlined ecosystem that integrates data across account and securities management, thereby enhancing data visibility, supporting improved decision-making, and building a robust framework to scale portfolios efficiently. Processes were optimized to achieve substantial efficiency gains, with **100,000 transaction records processed in real time.** Moreover, report generation, which formerly required hours or even days, was accelerated to a matter of seconds, dramatically improving operational speed and enhancing client satisfaction.