AutoRek

Profile

🏢 Firm type

1. Leading global credit network and prime brokerage firm

2. 300+ institutional clients, with $3 trillion worth of transactions processed annually (2025)

🔒 The challenge

› Reconciling across multiple asset classes including FX options, FX swaps and crypto.

› Delivering the high levels of precision required for digital assets including reconciliation up to 18 decimal places.

🔑 The solution

AutoRek's Mion®, a powerful matching engine, ensured accuracy of up to 18 decimal places for various crypto assets.

Automated raw data ingestion from sources such as SWIFT and blockchain to streamline complex custody and off-balance sheet reporting requirements.

✓ The benefits

› 75% + time saved on reconciliations

› Enhanced precision for digital assets

› Improved operational scalability and futureproofing

📄 **Case Study**

Streamlining Complex Operations with Real-Time Crypto Reconciliation

Client Overview

Our client is a global credit network providing institutional clients with prime brokerage, clearing, and financing services across both traditional and digital asset classes. Operating across multiple geographies, the firm serves hundreds of institutional clients and processes multi-trillion-dollar annual transaction volumes, reconciling billions of transactions daily.

AutoRek

Client

Its core offering spans trading in FX, precious metals, digital assets, equities, commodities, and interest rate products. Clearing services cover listed derivatives and fixed income through regulated memberships, while financing solutions include cross-margining and margin lending across derivatives, digital assets, and repo markets.

The firm operates on a modern, real-time risk management platform and maintains a conflict-free model with no proprietary trading. Its infrastructure supports flexible collateral management across traditional and digital assets and is fully integrated with exchanges, liquidity providers, counterparties, and post-trade partners. A proprietary synthetic prime platform enables efficient cross-margining of OTC swaps across asset classes.

Regulated across key global jurisdictions, the client holds multiple broker-dealer licenses and clearing memberships, allowing it to support a broad and compliant product suite. Strategically, it is expanding collateral models to include stablecoins and tokenized assets and investing in blockchain-based infrastructure to optimize post-trade workflows.

Positioned as a leading non-bank global prime broker, the firm is at the forefront of the convergence between traditional finance and the digital asset ecosystem.

Challenge

The client faced significant challenges in reconciling multiple asset classes, including FX Options, FX Swaps, and Crypto. Their existing reconciliation processes struggled to accommodate the high level of precision required for digital assets, particularly cryptocurrencies, which often need reconciliation up to 18 decimal places which AutoRek was able to accommodate.

Additionally, the lack of a unified solution capable of handling both traditional and digital assets created operational inefficiencies, increasing the risk of discrepancies and manual intervention.

The client selected AutoRek as it was the perfect fit for a scalable, high-precision reconciliation system that could seamlessly integrate various asset classes while ensuring accuracy across diverse financial instruments.

Solution

The client faced challenges with complex end-to-end operational processes that demanded a sophisticated data control platform offering market-leading reconciliation and reporting capabilities. This led to the deployment of AutoRek Mion, a powerful matching engine capable of real-time reconciliation up to 18 decimal places for various crypto assets. The platform also automated raw data ingestion from sources such as SWIFT and blockchain and streamlined complex custody and off-balance sheet reporting requirements.

Benefits

As a result, the client significantly improved operational efficiency across product lines while enhancing regulatory and risk controls tailored to their unique business model. AutoRek was the only solution on the market with sophistication and flexibility to meet these specific demands.

By implementing AutoRek's Mion, the client:

> Enhanced precision for digital assets

> Created a unified platform for all asset classes

> Achieved significant efficiency gains (Reduced the time spent on reconciliations by over 75%)

> Improved operational scalability and future-proofing

When accuracy counts—be sure.
Get ready to transform your reporting processes

Book a demo ›