

System Integration & Reconciliation

NEAR REAL-TIME IBOR TO FUND ACCOUNTING INTEGRATION AT PLATFORM SCALE

Change-data-capture integration that moved downstream reconciliation from next-day batch to near real time

SITUATION

Connecting the front-office investment record to the back-office accounting record is a core platform integration: when that link lags, every downstream number lags with it. A leading global investment management platform provider serving institutional asset and wealth managers needed to connect its investment book of record to a downstream fund accounting platform. Completed and canceled transactions were reaching downstream systems through a next-day batch process. Reconciliations ran a full day behind the front office, and downstream consumers inherited the same delay. The client needed an integration pattern that could start with transactions and later support orders, allocations and corporate actions without rebuilding the connection.

APPROACH

Ionixx worked with the platform engineering team to design and implement a change-data-capture integration from the IBOR database into the downstream fund accounting platform. The team built focused proof of concepts to test the data-publishing pattern, then implemented the transaction stream using Java, SQL Server change capture and triggers, Qlik and Kafka. The first release focused on completed and canceled transactions. The design also created a repeatable framework for future entities such as orders, allocations and corporate actions. This replaced overnight batch dependence with controlled publishing and better downstream reconciliation visibility.

OUTCOME

Transaction data latency moved from next-day batch to under 5 minutes. Downstream reconciliation accuracy improved by approximately 95 percent through change-data-capture publishing. The integration was designed to handle 10,000+ transactions per minute, with capacity to extend the same pattern to additional investment operations data flows.