

STREAM DATA HUB

for better data management

StreamFinancial

A practical tool for getting more out of your existing systems

The data you seek is already within your systems. Easily accessing your data can be the issue and we believe data management is fundamentally about TRANSIT. Transit between the various systems, the data sources and the data consumers. Successful data management is therefore a logistics exercise: getting the right data, at the right time, to the right quality, in the right shape.

Break away from traditional failed habits of pushing data and embrace new technologies for a better pull data paradigm and a different way to support your consumer with a dedicated Service Level Agreement and Self Service capabilities for the business and IT users alike, with ease.

On-the-fly, in-real time, in a secure environment:

- Reconcile positions and transactions across multiple sources
- Enrich trade data with counterparty ID or LEI codes using the relevant regulator's mandatory methodology (ex. ESMA)
- Out of the box classification of trades into DEAL/MATCH/OTHER according to consuming system definition
- Classify holdings into CFI codes
- Blend trade data from multiple Front Office, Back Office with HR systems for transaction report
- Send transaction reports to NCAs or ARMs in ISO 20022 format
- Manage rejected trade records from regulator's systems and open workflow tasks to fix and return
- Apply business logic to trade data to create the required view for the regulator outside of your OMS or PMS
- Blend market and reference data feeds to provide ISIN and other descriptive attributes
- Calculate several NAVs for a variety of consumers
- Use algorithms and Python development box to extend data usability



**Complete
Transparency**



Full Audit



Clear Lineage



**Good
Governance**

DATA SOURCES

Front Office

- OMS
- PMS
- Trading System

Back Office

- Accounting
- Settlement
- Spreadsheet

Data Warehouse

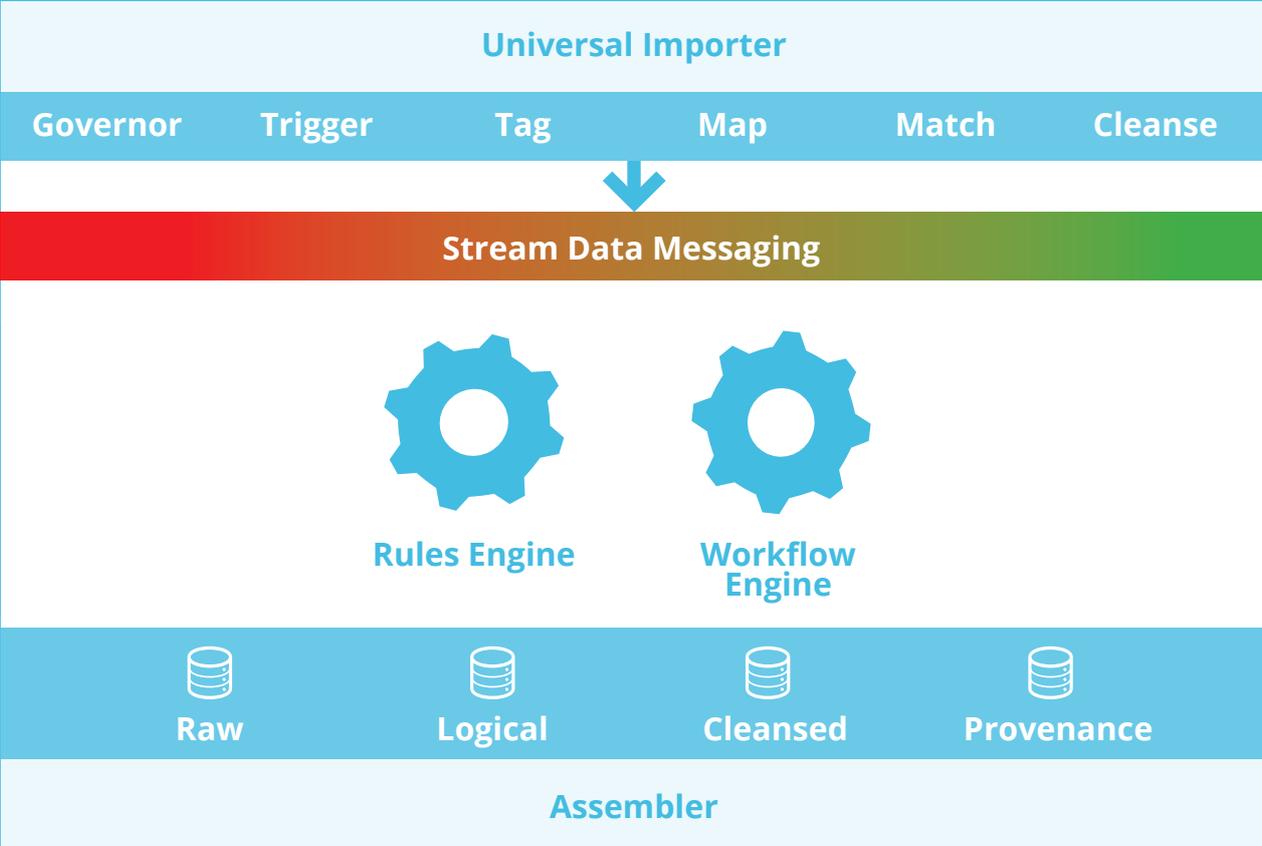
- Counterparty
- Reference
- LEI, ISIN

Internal

- HR
- MIS
- CRM

External

- Market Data
- Administrators
- Prime Brokers
- Spreadsheet



SLA

CONSUMING SYSTEMS

MiFID Transaction Report

Managed Service Provider

Internal Risk Report

Output in any format: XML, CSV, FIX...

Multiple Golden Copies

Reporting Tools

Front Office

Back Office

USE-CASE

Simplifying the regulatory data mart by focusing on the consumption end.

A Tier One asset manager with offices in New York and London needs to produce quarterly regulatory filings across both jurisdictions. Supervisors mandate the classification of positions and identification of securities that must be declared to each body. In the EU, ESMA requires held securities to be classified five different ways into one of hundreds of categories. In the US, the SEC has a different set of classification schemas. Therefore, the same position in the same fund may or may not be reportable in both countries and, if so, may each need to be presented and accounted for differently.

Problem

- Definitions mismatch between the client's internal accounting practices and those of the regulators.
- Coping with the continued on-going regulatory changes

Choices

- Enhance Advent Geneva to double-calculate for both internal practices and regulatory reports
- Stream the accounting data and adjust it as required in-transit to power regulatory reporting

Solution

Rather than customise Geneva, streaming data into Stream Data Hub proved less risky, more cost-effective and faster to implement. Adjusting the data in transit means today's regulatory requirements are met, within a secure environment and any future changes can be managed outside of Geneva.

Issues faced and easily solved

- Net Asset Value (NAV) definition is a notoriously nuanced calculation depending on the NAV data consumer. Regulators' Regulatory Assets Under Management (RAUM) means the valuations of positions covered by legislation according to a defined formula. This is certainly different to the actual valuations used by the back-office each day. Making adjustments to the fund accounting system to calculate AUM and RAUM would be expensive.
- In calculating any NAV, aggregating positions from 3 portfolio systems was required whilst also coping with OTC holdings
- Shadow Accounting: For accurate valuations, differing flavours for the same asset type are required at the same time in order to satisfy internal accounting and external regulatory methodologies.
- Financial Holdings: multiple definitions at the same time depending on the consumer profile, for internal use or for external regulatory needs.
- Investment Grade definition is being re-classified by examining Moody's, Fitch or S&P as required to set the flag for optimal reporting
- Bespoke regulatory definitions for a variety of Classifications such as Financial Investments, Holdings, Sectors or Financial Instruments such as with Credit Derivatives where subordinated debt tranche definitions differ.