



TEMENOS

The software specialist for banking and finance

DataSource

Overview

DataSource is an Enterprise Data Management solution that improves the quality of your market and reference data on an automated basis. It thereby reduces the costs and risks connected with the management of a constantly growing volume of data. DataSource is built to generate your "Golden Copy".

The flexibility of its high-performance rules engine and data model allows DataSource to adapt fast to changing regulations. It validates data acquired from international and local providers, merges it and then forwards consistent data to various target systems within the organization. This versatility makes DataSource unique.

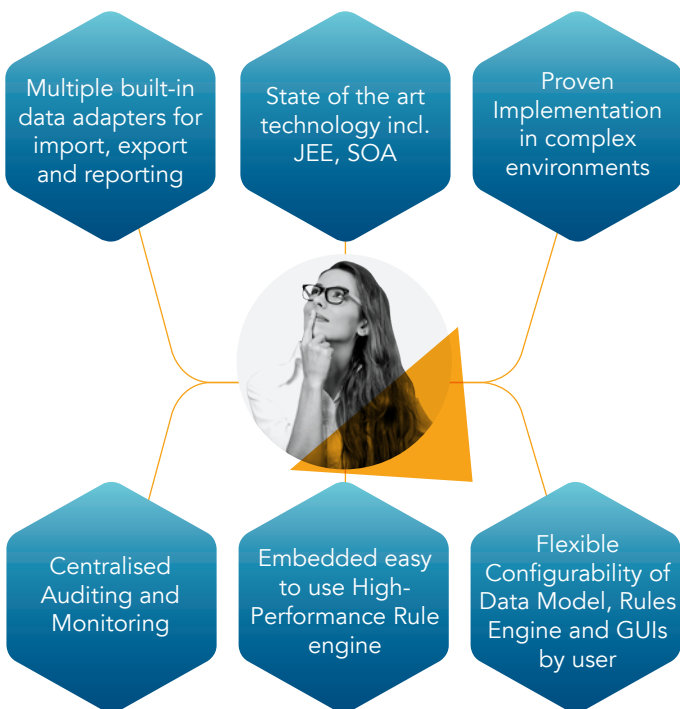
Thanks to the integrated reporting system, centralised collection mechanisms make it easy to conduct internal and external audits. The future-proof technology of DataSource (JEE) can be easily expanded to meet the demands of the most complex SOA strategies. Data can be imported, consolidated and exported in a single STP process. Even the largest volumes of data can be efficiently managed thanks to scalable architecture.

Key Benefits

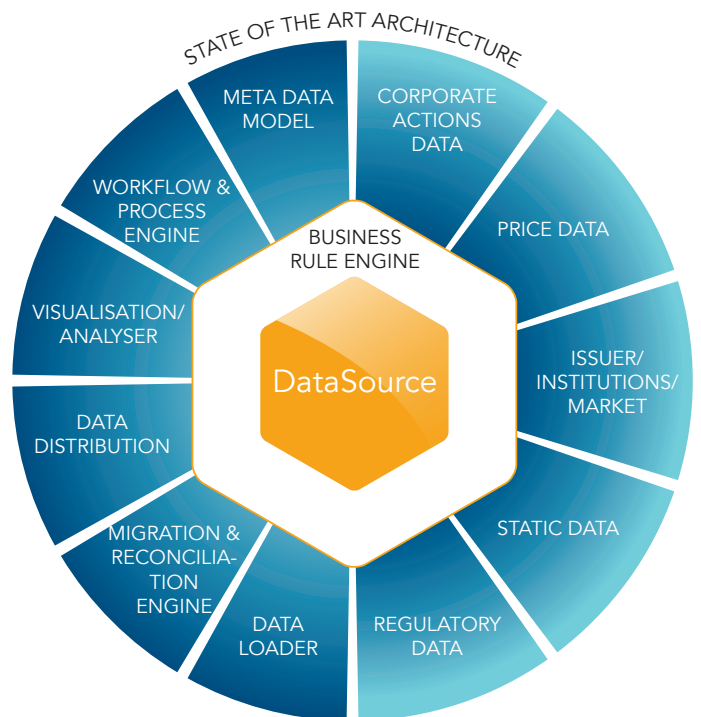


- Pre-configured business modules
- Automated improvements of data quality
- Scalable IT architecture for fast processing of high volumes
- Flexibility to adapt regulatory changes
- Full Multi-Company support for multiple source and target systems
- Reducing costs & risk by increasing data quality and STP rate

Why DataSource?



DataSource Modules





DataSource Functional Areas

Business Rules Engine

- Powerful Data Mapping and Centralised Data Validation
- Data Cleansing through embedded business logic
- Data Enrichment (e.g. complementary attributes from internal sources)
- Configurable via GUI by business analysts
- Error and exception handling
- Activation date
- Statistical Information
- Monitoring of data value mismatches from different data sources

Solution modules

Workflow & Process Engine

- Administration 'Cockpit' for centralised view
- Controlled by graphical Process Monitor
- Supporting of customer/companies specific processes/workflows
- Visualization of process status
- 'Alert' functionality for process issues and SLA agreements
- Link between process monitor and relevant processing step
- STP for FI opening Process fully covered (from ad-hoc request to delivery)
- Management of term sheets for structured products

Data Loader (Import)

- Standard Adapters to key data vendors
- Generic configurable Loader for importing any internal or external data source
- Multiple technical solutions to connect data providers e.g. MQ, file-based, Web Service
- General functions for all providers
- Pre-configured Screens on provider level
- Flexible integration of additional fields (e.g. internal fields)
- Display of historical provider data for every record date selected
- Automated validation and plausibility checks (on field and record level) for Golden Copy
- Alerting of data deviation based on user defined criteria for Golden Copy

Data Distribution (Export)

- Support of multi-company / multi-site delivery
- 'Copy Client Button' for quick configuration of new companies/entities/tenants
- Respecting bank specific license agreements with the data provider
- Standard Export Adapters to various target systems (e.g. Core banking, Compliance, Asset Management)
- Generic Export Modules (e.g. SOA, MQ, file-based, etc.)
- Implementation of additional computation (e.g. mathematical algorithms)

Visualization / Analyser

- User-friendly & configurable Java GUI and Web Client
- Diagrams for graphical evaluation
- Display of instrument data relations (e.g. Issuer-Instruments-Corporate Actions)
- Embedded Report Generator
- Standard Reports & easy to configure Report Wizard

Meta Data Model

- Flexible & configurable Meta-Data Model (entities, attributes, relationships)
- Automated Routines for Release Upgrades by data vendors
- Internal, complementary objects/attributes can be added via configuration
- Keystone for all other parts (e.g. dialogs, business rules)

Migration & Reconciliation Engine

- Automated data reconciliation
- Reporting of data deviations
- Sophisticated exception handling
- Powerful tool for rapid implementation

Provided data Segments

Issuer/ Institutions / Markets

- Master Data for Issuer / Institutions / Markets (e.g. issuer rating, LEI, Ultimate parent)

Static Data

- Reference Data for Financial Instruments (e.g. issuer link, listings, ratings)
- Full coverage of ETD and OTC and structured products

Corporate Actions Data

- Cash flows (e.g. Interest payments, Dividend payments, Redemptions)
- Capital Adjustments (e.g. Rights, Splits, Conversions etc.)

Price Data

- High quality of pricing data (e.g. calculation of evaluation prices, TIS etc.)
- Storage of price histories
- Price-Deviation report and Missing-Prices report integrated in Cockpit

Regulatory Data

- Data required to be compliant with regulatory requirements (e.g. MiFID, EMIR, Basel III, FATCA)

State-of-the-art Architecture & Technology

- Java EE as technical foundation
- High Scalability
- Clustering on Application Server and Database layer supported
- Integration Framework (Web Services, MQ)