Fact Sheet

Real-Time Advanced Transformation Server (ATS)

Real-time calculation, transformation and enterprise-wide data distribution

Financial institutions rely on increasingly complex calculations to power trading, risk, and operational decisions. Yet many of these processes still run on spreadsheets and fragmented tools – creating operational risk, inconsistent results across desks, and limited transparency into how models are built, maintained and changed. At the same time, regulatory expectations around governance, auditability, and resilience continue to rise.

Our solution

Real-Time Advanced Transformation Server (ATS) is an enterprise-grade, real-time calculation engine that enables financial institutions to calculate, enrich and publish proprietary analytics in real-time – with full control, resilience and auditability.

Available to clients using LSEG's Real-Time Distribution System (RTDS) and Real-Time Managed Distribution Service (RTMDS), ATS operates as a value-add component that applies a multi-source blending approach to user-defined enhancements and calculations. Outputs are published back into the platform for seamless downstream distribution and consumption across front, middle and back-office systems and teams.

Benefits for your business

- **Real-time calculations & enrichment:** Leverage Adfin – an extensive library of industry-standard financial functions and ready-to-use calculations – and implement bespoke logic tailored to your firm's requirements, supporting everything from simple to highly complex calculations.

- **Multi-source data blending & dynamic feed selection:** Ingest real-time and delayed data from multiple sources and apply intelligent, rules-based switching to optimise latency and ensure automatic failover. Seamlessly blend and enrich data and publish calculated outputs back into your enterprise distribution environment for consistent downstream use.

- **Intelligent data parsing & cleansing:** Automatically extract, analyse and interpret complex page-based content and transform it into structured, logical records – for example, parsing hundreds of broker pages to rapidly surface best prices. Real-time data cleansing eliminates spikes, outliers and anomalies, improving data quality for trading and risk systems.

- **Internal contribution & enterprise-wide publishing:** Capture and cache internal contributions – from spreadsheets, pricing tools, or custom applications – and publish this across the enterprise in real-time. Ensure consistent, synchronised delivery of your proprietary content to all consuming systems and teams globally.

- **Enterprise-grade collaboration, permissions & control:** Distribute normalised, aggregated or calculated data in a consistent, standardised format. Granular permissions (via LSEG's Data Access Control System, DACS) ensure controlled creation, modification and publishing of ATS records – supporting strong governance and aligned model management across teams.

- **High performance & built-in resilience:** A multi-threaded, low-latency architecture and fault-tolerant deployment options deliver continuous availability and scalable, high-throughput processing for mission-critical workloads.

- **Full auditability & transparency:** A comprehensive audit trail captures every update, while usage analytics support regulatory compliance and optimise cost efficiency.

- **Cloud-ready deployment:** Multi-cloud connectivity for scalable, collaborative and efficient deployment.

Delivery

- **Web-based user interface:** ATS includes a fully web-based UI, enabling users to configure models, manage records and monitor activity without installing local software.
- **Seamless integration with LSEG Real-Time platforms:** ATS is available to clients using LSEG's Real-Time Distribution System (RTDS) or Real-Time Managed Distribution Service (RTMDS).

To find out more about our solutions, contact us [here](#).

Related links

- **[Real-Time Distribution Service](#)**
- **[Real-Time Managed Distribution Service](#)**
- **[Real-Time data solutions](#)**

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