

Equalum for Stream Data Integration and Real-Time Analytics

For most organizations, the major obstacles to real-time analytics are not around the identification of core business needs or use cases, or even the implementation of the analytics application. Rather, the core challenges are ingestion-related. Enabling real-time analytics for a data-rich enterprise requires that data be centralized from different operational systems, enriched and correlated, and delivered to a data warehouse, data lake, or any other advanced analytics environment – all in real-time.

Equalum uniquely combines Change Data Capture (CDC), Batch Data Integration and Stream Data Integration in one solution. Equalum Stream Data Integration capabilities provide an innovative data ingestion platform that seamlessly connects to operational data stores, efficiently extracts data changes in real-time, provides rich transformation capabilities of data in motion, and delivers the relevant data output to critical data warehouse, cloud, & data lake targets.

Stream Data Integration: How Equalum helps you



Performance and Scalability

Legacy ETL solutions, which rely on batch processing, are not adequate for the needs of an organization that is poised to make use of real-time analytics. As ETL jobs are pushed towards greater frequency, both the cost and risk of failure (job timeout, data loss) increase exponentially. For such organizations, implementations powered by open-source big data frameworks like Apache Spark are an appealing alternative. But frameworks like Spark require a high degree of specialized expertise to implement successfully, meaning that these enterprises often find themselves saddled with unexpected time and cost overruns.

The Equalum Value

Equalum harnesses the power and scalability of Spark in an end-to-end solution. Equalum's proprietary engine leverages a fully-managed Spark cluster (including installation and configuration, provisioning, and performance tuning) and other open-source technologies in order to dispatch, parallelize, and monitor data ingestion jobs – ensuring optimal performance and maximum throughput.



Zero coding

For an organization pursuing real-time analytics, the ability to configure and run jobs centralizing operational data from new sources, or to enrich or correlate data in new ways, is essential. Performing these tasks with Spark requires a high degree of Scala expertise to code the jobs, implement pre-flight testing, and manage and monitor jobs post-implementation.

The Equalum Value

Equalum's zero-coding approach enables users to configure dataflows, perform enrichment and transformation operations, and specify data targets with a business-friendly drag-and-drop UI.



Right Source, Right Format, Right Time

Making data useful for real-time analytics requires that the data be efficiently sourced from a variety of enterprise systems (e.g., business applications, files, databases) and that it be appropriately transformed so that it can be directly consumed into an analytics environment. Big data ingestion tools typically offer limited integration support for non-database sources and inadequate support around critical data transformation like enrichment, correlation, and aggregation.

The Equalum Value

Equalum offers out-of-the-box integration with both database and non-database data sources (including business applications, messaging queues, and raw data files) for both batch and streaming ingestion. Additionally, Equalum supports transformation on data in motion to optimize downstream analytics operations – enabling enterprises to correlate, aggregate, and summarize data to facilitate real-time analytics insights.

Equalum Technology in Action

A Fortune 100 industrial manufacturing company used Equalum to replace their existing MapReduce-based ETL process – and saw performance increases of 15x, a reduction in development time of 70%, and a total 10x reduction in total cost of ownership.

Learn more, schedule a [demo](#) with Equalum today.