Equalum for Next-Generation Batch Data Integration (ETL)

Organizations making use of batch data integration technology, such as extract-transform-load (ETL) tools, typically run into a number of challenges as they scale. As the volume of data to be transferred increases, batch jobs can become unwieldy and prone to failure – requiring constant monitoring to ensure successful completion. Additionally, computing costs can increase as organizations run complex jobs on non-commodity servers in an effort to chase an ETL performance edge.

Equalum uniquely combines Change Data Capture (CDC), Batch Data Integration and Stream Data Integration in one solution. Equalum Batch Data Integration (ETL) capabilities harness the power of open-source data frameworks and best-in-class CDC in order to deliver blazing fast batch data ingestion – at any scale.

Batch Data Integration: How Equalum helps you

Performance and Scalability

Enterprises relying on proprietary ETL solutions often find themselves facing performance limitations. These technologies require costly upfront investments in infrastructure (like non-commodity hardware), and server costs limit both the scope and performance of projects that can be undertaken. Consequently, ETL implementations reach critical failure points like unacceptably long run times as the frequency of jobs – or the volume of data to be transferred – increases.

The Equalum Value

Equalum harnesses the power and scalability of Apache Spark in order to deliver batch results. Equalum's engine leverages the power of Spark and other open source technologies in order to dispatch and parallelize ETL jobs – ensuring that enterprises will never face another job timeout again.

Batch or Streaming

Enterprises looking to increase the frequency of batch jobs to drive rapid insights and decision-making must typically invest in both a legacy ETL tool as well as change data capture (CDC) technology to capture changes from underlying data. In addition to a ballooning investment, these tools require ongoing synchronization and maintenance in order to work together efficiently.

The Equalum Value

Equalum's proprietary data ingestion engine offers built-in CDC and harnesses the power and scalability of Spark, enables organizations to leverage batch or streaming mode. As a result, organizations can take advantage of blazing-fast batch data ingestion for traditional BI and analytics scenarios – and as they move to a real-time analytics paradigm, leverage streaming mode to extract insights on data as it is created.

Faster Development Time

Legacy ETL tools, even those that offer a zero-coding approach, typically require many operations to achieve a single logical step. (For example, a single data transformation – reordering fields in a schema, adding a calculated field, and changing a string to an integer – may all require separate operations.) The result is long, unwieldy flows that introduce complexity and layer on additional time during upfront development and maintenance.

The Equalum Value

Equalum offers a fully zero-coding platform that enables users to configure dataflows and logical steps through a drag-and-drop UI. Equalum's syntax is built for simplicity and ease of use, employing as few highly-flexible "operators" as possible – limiting the number of logical steps required to achieve an end-to-end flow, and resulting in both shorter flows & faster development and testing time.

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.