Organizations looking to leverage the power of open-source big data frameworks like Kafka and Spark often face a critical skill shortage in implementation, or find themselves saddled with unexpected time, personelle investments and cost overruns. Open source frameworks offer infinite scalability, but must be properly harnessed for usability and time-to-value for the enterprise.

Equalum's end-to-end, modern data ingestion platform offers **4 core architectural use cases** in a no-code GUI: CDC based replication, Real-Time Stream Processing, Application Integration and Batch ETL. End to end monitoring and alerting afford system wide visibility into data accuracy and pipeline success.

Automated Installation and Configuration

Moving past operating a single node to installing and configuring an entire Spark cluster requires specialized DevOps and automation expertise. Configuring even a basic open source environment (e.g., Zookeeper– Spark – HDFS – Kafka) requires hundreds of settings and configurations, along with exploration and testing to optimize performance.

Zero-coding Approach

Once a Spark cluster has been configured, creating new ETL or streaming jobs to make use of the cluster typically requires a high degree of Scala coding expertise. Individual data sources – e.g., business applications or relational databases – have different behavioral profiles and idiosyncrasies. And additional coding is required to perform critical transformations on the data, or to correlate data from multiple sources.

Production-ready Environment

Ensuring optimal performance of a Spark cluster at scale requires careful synchronization, harmonization of resources, and maintenance. Critical enterprise infrastructure elements like monitoring (for example, Prometheus to collect metrics, Grafana for visualization, ELK to collect and query logs for troubleshooting) make the task of operating a production-ready open source environment complex and time-consuming.

⊘ EQUALUM VALUE

Equalum automates the installation of a big data environment, providing teams with a fully-configured, out-of- the-box Spark cluster that is completely customized to their needs. From automatically optimizing the number of nodes to tuning system settings for optimal performance, Equalum offers "Spark & Kafka in a box."

⊘ EQUALUM VALUE

Equalum offers a completely zero-coding approach to setting up new jobs. A drag and drop UI offers business users the ability to specify a data source, indicate any desired transformations, and distribute the output to any supported targets. With just the push ofa button, users can toggle between "batch" and "streaming" mode, providing enterprises a path to support real-time analytics.

⊘ EQUALUM VALUE

Equalum offers an end-to-end solution, ensuring that the environment operates at peak performance with cluster monitoring, tracking throughput, load balance, job time, and data integrity. A system of real-time alerts and notifications enables Equalum to escalate issues when critical intervention is required.

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equalum.io/get-demo

How Equalum Works

SOURCES

- Message Queues
- Sensors
- Files
- RDBMS
- Enterprise Applications
- NOSQL

equalum

AGENT **ENGINE** **FLOW MANAGER**

APACHE Spark

APACHE ZooKeeper — HDFS — APACHE kafka

TARGETS

- Message Queues
- RDBMS
- NOSQL
- Analytics Platform
- Cloud Services
- Object Storage

With Equalum, the complexity of the Kafka ecosystem lives within our powerful platform engine. You no longer have to run and manage KSQL, Zookeeper, Kafka Connect, Prometheus...and the list goes on. Our end-to-end platform affords you monitoring, management and flexibility all from Equalum's no-code UI.

CUSTOMER REVIEW

Joel Buck
Director of Enterprise Architecture

Pharma/biotech company
with 10,001+ employees

What is most valuable?

The ability to stream data out of Oracle and SQL Server databases onto Kafka topics. When using alternative technologies, there is usually a lot of software development. With Equalum, it is just configuration.
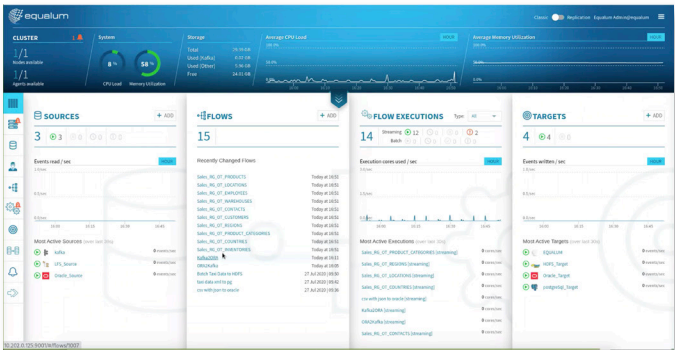
Previously, we had the right Kafka producers and Kafka consumers. Even before Kafka, we had these things working on IBM MQ series. These integrations are very complex and difficult to maintain. With Equalum, you are using a graphical UI and connecting to the source. In a few minutes, you are configuring the tool, then live streaming data out of the source and into your target.

Our initial plan was just deploying Equalum on one server because we wanted Equalum to prove itself. So, we bought a very modest license for Equalum. After about six months with a lot of success using Equalum, we planned a larger deployment. Now, we have several instances of three-node clusters with Equalum.
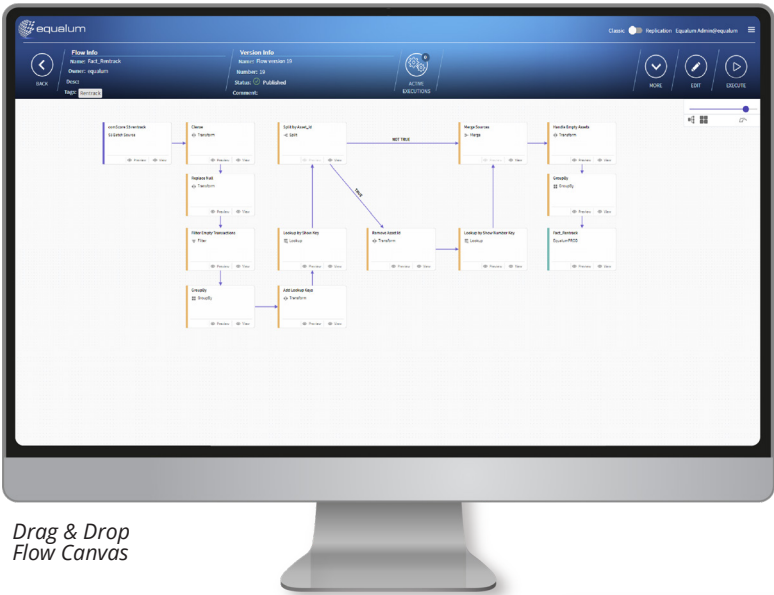
★★★★⯪

Equalum combines **streaming change data capture**, **batch processing**, **bulk replication** of large, complex data sets, full **management, monitoring, and alerting** with validation, synchronization between sources and targets as well as modern data transformation capabilities - all using the platform's no-code UI. Plus, the power of Apache Kafka and Spark are leveraged within the platform engine.

Equalum's multi-modal approach to data ingestion can power a multitude of use cases including CDC Data Replication, CDC ETL ingestion, and more.
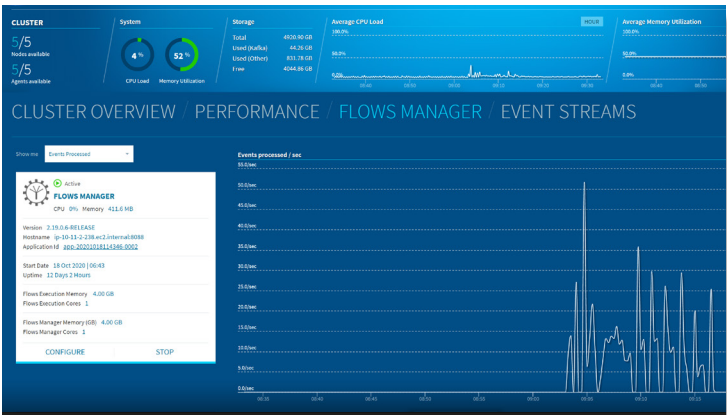

Equalum's Platform Dashboard

No-Code UI

Drag & Drop Flow Canvas

Flows Manager

Technology Partners

snowflake

SingleStore

ORACLE

CLOUDERA

Global System Integrators (GSIs)

TATA

TATA CONSULTANCY SERVICES

wipro

accenture

★★★★⯪

Equalum has redefined how we architect our system

Before, once a day, we would go and grab data. Now, a vast majority of the time, we are actively scanning for new data to come in.

As much as possible, we try not to wait for a person to tell us the data is there. We actually actively go out and get it whenever we can. That is a big change for us.

Reviewer 1530513
Senior Software Engineer at Retailer with 200-500 Employees

Reviews Collected by **IT Central Station**

★★★★★

"Go for it. They are growing. Hop in now and take advantage of their pricing. The tool is worth it ."

Equalum increased my efficiency by 80 percent. It is all in the UI.

Reviewer1528083
Software Engineer Specialist at an Energy/Utilities Company

Reviews Collected by **IT Central Station**
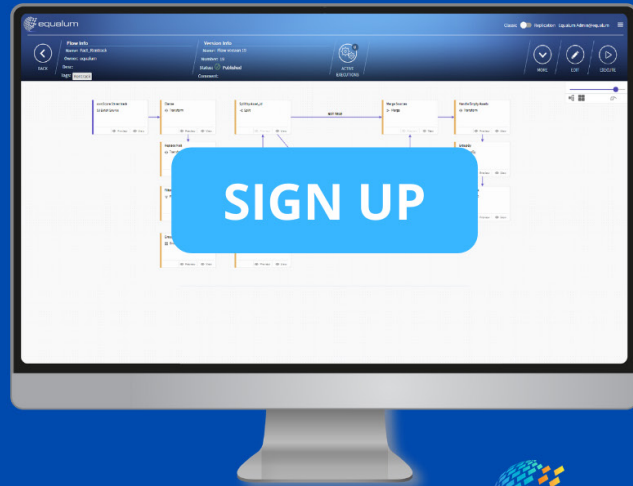
Trusted By Industry Leaders

Walmart   WB   PEPSICO   gsk   SIEMENS   eog resources   BONOBOS

Equalum's Self Guided POC (aka Test Drive) gives you a chance to play with our powerful end-to-end Data Ingestion & Integration Platform.

In our test environment, you will be able to explore key features of the platform including:

- Streaming Replication of High Volumes of Data from Source to Target
- Modern and Automated (CDC) Change Data Capture allowing for Replication, Complex Transformations and Enterprise-Wide Use
- Simplicity and Power of Equalum's No-Code UI
- Powerful, Real-time Streaming ETL Workflow Design and Execution

When you sign up for Equalum's Self Guided POC, you receive

- Access to Equalum's Test Environment for 2 Weeks.
- Video Tutorials for each use case built into the test environment
- Detailed Instructional Guide
- Access to our Support Team for any help needed as you explore Equalum.

NOTE: *If you have a very specific use case for which you need a customized POC, please Schedule a Demo*

learn.equalum.io/equalum-self-guided-poc