byteflow®

For SAP®

BRYTEFLOW LIBERATES SAP OBJECTS INTO USABLE MODELS AND ASSETS ON SCALABLE AMAZON DATA LAKES

BryteFlow for SAP eliminates barriers to analyzing data from SAP by liberating transaction data into a cost-effective and scalable data lake on Amazon S3. This enables the concurrency of queries from a wider community of users and increases the value of SAP.

KEY FEATURES

- Zero impact on SAP sources
- Remodeling data
- Typecasting
- Near real-time replication
- Click-to-extract
- Catch-up from network dropout
- Masking and tokenization
- Time-scale history
- Reconciliation dashboard
- Replication of complex data and data models
- No need to change SAP installation
- Partition tables

BENEFITS

- Guaranteed usable data
- High availability and reduced risk
- Secure data
- Retain more raw/historic data at a lower cost
- High concurrency
- Liberate and leverage SAP data
- Complex made simple
- Organize data analytically

bryteflow® For SAP®

For SAP ECC deployments running on Enterprise licenses of SQL Server and Oracle databases, BryteFlow is the bridge between these legacy systems and the modern digital architectures. BryteFlow uses a proven log-based approach to data extraction from these legacy databases in near realtime to Amazon S3, with full transaction history including SAP 'deletes'.

To ingest data from SAP S/4HANA, BryteFlow uses either database triggering or stored procedures to achieve near realtime data extraction. This will require Enterprise licenses of SAP S/4HANA as opposed to the Runtime licenses.

With cutting edge Large Table Partitioning mechanisms, BryteFlow is able to optimally ingest very large SAP tables with high throughput. The ingested data has high fidelity because BryteFlow also reconciles data between source and destination as well as maintaining the relationships between tables.

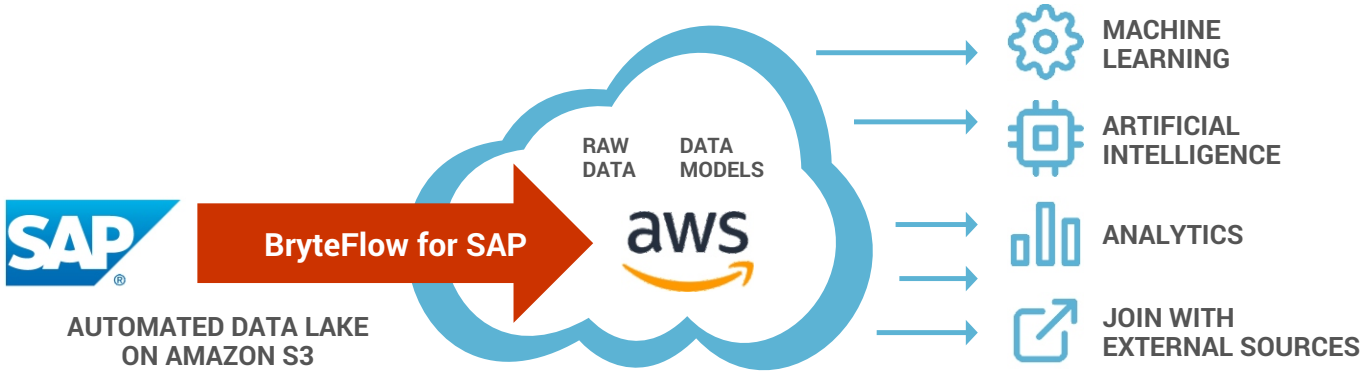
Once SAP data is ingested to Amazon S3, this can automatically trigger complex Spark jobs, which can be written in SQL by non-technical analysts via the BryteFlow graphical editor. SAP data is now open and extensible to the world of AWS cloud data warehouse as well as AI/ML technologies.

Understandable and usable SAP data in Amazon S3 data lake

Analysts can extract data from a full range of SAP Modules. Analytic data assets can be easily created from the SAP source object. During the extraction process, data formats are converted on the fly, for example dates stored in character and decimal formats are converted to correct date formats. Data types like GUID are converted effortlessly.

Click-to-access SAP data

Quickly get started on big data initiatives without the need to change current SAP installation. Analysts can self-serve and fast-track their data workflow by using a point-and-click interface to granularly select the required SAP tables for blending with non-SAP data.



Zero impact on SAP source

Typically SAP tables are very large, in the Terabytes range, BryteFlow for SAP can replicate large tables with zero-impact on source systems by partitioning the tables.

Remodeling data to make it consumable

BryteFlow for SAP can replicate complex data and data modules by remodeling the data into analytical data formats. This makes the data usable outside of an SAP environment.

Near real-time replication

With frequent incremental extractions, compression and parallel streams, data is constantly kept up-to-date and available to enable real-time analytics.

SQL workbench to blend data sources

An easy to use drag-and-drop workbench delivers a codeless development environment to build complex SQL jobs and dependencies across SAP and non-SAP data.

Automatic catch-up from network dropout

In the event of a system outage or lost connectivity, BryteFlow for SAP has a catch-up mode. This can identify when the interruption occurred and reprocess the changes. A diagnostic capability can also understand when a connection is lost and automatically attempts to restore connectivity.

Time-scale history

BryteFlow for SAP provides out-of-the-box options to maintain the full history of every transaction from SAP to Amazon S3.

Monitoring dashboard

BryteFlow for SAP displays various dashboards and statistics to stay informed on the extraction process as well as reconciling differences between source and target data.

Masking and tokenization

BryteFlow for SAP provides enterprise grade security to mask, tokenize or exclude sensitive data from the data extraction process.

Metadata Management

With Bryteflow, users can leverage a Google-like interface to search and explore data sets. Bryteflow automatically tags key data attributes and structures into an AWS Data catalogue that can be accessed directly by end users or third party tools / applications.

ABOUT BRYTEFLOW

BryteFlow provides an out-of-the-box software driven approach to help enterprises build high performance cloud Data Lakes and Analytics Environments. Our company mission is to make Data Access, Innovation and Analytics more pervasive, cost effective and easier than ever before by blending together the latest in innovative cloud, business intelligence and data liberation technologies. We are recognized by our clients for world class expertise with Amazon Web Services, Real Time Data Lakes and Software Driven Automation.