

BryteFlow SAP Data Lake Builder

Create an Automated SAP Data Lake on the Cloud. Extract data easily from SAP Systems. Access ready-to-use data for ML, AI, and Analytics with the BryteFlow SAP Data Lake Builder.

Save time and money with the BryteFlow SAP Data Lake Builder

Get the most from your SAP data

Are you an SAP enterprise customer looking to aggregate and merge your SAP data for analytics? Building a cloud data lake for SAP data is a great way to manage both - storage and analytics and make your data a workhorse for business insights. You also benefit from greater agility, flexibility and scalability as compared to on-premise data management systems.

SAP Data Extraction Challenges

However, replication of SAP data often proves a challenge as SAP data is very often siloed. SAP data extraction can involve lengthy delays due to reliance on SAP resources and implementation knowledge and documentation that may be outdated. Costs can slowly spiral out of control and the time to value can be compromised. In addition, data may be fragmented leading to different versions of the truth across the organization.

Build an SAP Data Lake, reduce deployment time 25x

Introducing the BryteFlow SAP Data Lake Builder

This elegant solution from BryteFlow uses the Operational Data Provisioning (ODP) framework and OData services to replicate data from SAP applications to your Cloud platform. This enables an automated setup of data extraction and automated analysis of the SAP source application. Our no-code tool builds the data lake automatically, reducing deployment time by 25x. You can unlock and access your data extremely fast to drive valuable business insights - without breaking the bank.

Save on SAP licensing costs. Ingest SAP data with business logic intact.

Why the BryteFlow SAP Data Lake Builder (BSDLB)

- The BryteFlow SAP Data Lake Builder connects to SAP at the Application level. It gets data exposed via ODP Extractors or CDSViews as OData Services and builds the Data Lake.
- Connecting at the SAP Application level means you don't need to rebuild SAP application logic on the data lake. This saves you a lot of time and effort.
- Some customers cannot connect to the underlying database due to SAP licensing, the BryteFlow SAP Data Lake Builder allows you to avoid this issue.
- Data can be extracted from SAP systems in various ways and ingested into a scalable data lake, resulting in cost savings and reduced SAP licensing costs.
- Flexible connections for SAP including SAP ECC and S/4HANA.

If volumes are very large, **BryteFlow Ingest** our other replication tool, can connect at the underlying database log level to pull the data from older versions of SAP with underlying database access, or SAP HANA.

SAP Data Lake Builder Highlights

- Works on AWS, Azure and GCP
- Automates SAP Extraction
- Merges Deltas Automatically
- SCD Type 2 History
- Data Preparation Workbench
- Smart Partitioning & Compression
- Extracts with Business Logic intact
- Provides Ready-To-Use Data

SAP Data Extraction is completely automated

The tool uses OData services to extract the data, both initial and incremental or deltas. You can replicate the data automatically at the desired frequency, with a few clicks. The tool can connect to SAP Extractors, SAP SLT (if licensed) or CDS Views to extract the data.

Merge deltas in your SAP data lake and keep it continually updated

Deltas are merged automatically with initial data to keep data in the data lake continually updated. No coding or any other external integration is required with Apache Hudi or any other third party tool.

Automated SCD Type 2 history of the data on the data lake

The BryteFlow SAP Data Lake Builder tool is completely automated and has an easy to use point and click interface. There is zero coding to be done for any process, including data extraction, merging, masking, or type 2 history.

Enterprise grade Data Preparation Workbench

You can easily separate your raw data and enriched or curated data into multiple Amazon S3 folders (on AWS Cloud) and manage jobs and dependencies. Categorize data easily into different levels of security classifications and maturity – from raw data through to highly curated data marts. You can also prepare your data on Snowflake.

Smart Partitioning and Compression

BryteFlow SAP Data Lake Builder ingests data into the data lake, and provides easy configuration for partitioning, file types and compression.

Automated data transformation - access analytics-ready data

Transform, remodel, schedule, and merge data in your data lake from multiple sources in real-time with the BryteFlow Blend tool and get ready-to-use data models for Machine Learning, AI and Analytics. BryteFlow Blend transforms data in Snowflake on AWS, Azure and GCP Clouds.

Deep integration with the Cloud for seamless functioning

BryteFlow SAP Data Lake Builder uses AWS services intelligently as required and automates the integration. This includes Amazon S3, EMR clusters, Amazon Athena, Glue Data Catalog and Amazon Redshift. It also uses IAM, KMS, CloudWatch Logs, Metrics and SNS.

SAP Data Lake Builder Highlights

- Automated Integration with Glue Data Catalog & Athena
- Push only data needed for analytics to data warehouse
- Run queries on the Data Lake
- Data Modeling with Drag and Drop Interface
- Build a Data Lake at Scale
- Load directly to Snowflake
- Automated Network Catchup

Supports direct loading to Snowflake on AWS, Azure and BigQuery

Direct load into Snowflake without need of Snowpipe or any coding. All DDLs, data mapping and data conversion is handled automatically for all Cloud Data Warehouses.

Automated Integration with Glue Data Catalog and Amazon Athena

The tool makes the data available on the data lake to Amazon Athena, so as the data is ingested, it can be queried in Athena. The integration with Glue Data Catalog is at the API level, so there is no need to wait for scheduled crawlers.

Prepare data on your data lake, push only data needed for analytics to your data warehouse

Store data on the data lake and move only data you need for analytics to your data warehouse. This spares data warehouse resources and lowers compute costs.

Run queries on the data lake itself

Save time by running ad hoc queries on the data lake with Amazon Athena or with Redshift Spectrum - if Amazon Redshift is part of your stack.

Easy Data Modeling with a Drag and Drop Interface

Use BryteFlow Blend's easy drag and drop interface for data enrichment and joining of SAP and non-SAP sources (Snowflake, S3 and Redshift).

Get built-in resiliency with automatic network catch-up

The BryteFlow SAP Data Lake Builder has an automatic network catch-up mode. It just resumes where it left off when normal conditions are restored.

Blogs on SAP Data Extraction

[CDS Views in SAP HANA and how to create one](#)

[SAP BW and how to create an SAP OData Service for SAP Data Extraction](#)

[SAP S/4 HANA Overview and 5 Ways to Extract S/4 ERP Data](#)

[SAP Extraction using ODP and SAP OData Services \(2 Easy Methods\)](#)

Learn more about the BryteFlow SAP Data Lake Builder

Get a Free Trial of BryteFlow SAP Data Lake Builder

BryteFlow SAP Data Lake Builder
extracts data from SAP Systems and Applications
with Business Logic Intact

