# DATA
## WITH BRYTEFLOW

Reconciled, complete data

Real-time, automated data integration

Processed on S3, data ready for Analytics, AI and ML

High availability with auto scaling and automated failover

Secure in VPC

Data Lineage and Metadata

Integrates seamlessly with AWS Lake Formation and AWS Glue Data Catalog

## BryteFlow enables real-time, automated data integration on Amazon S3 freeing up the power of Redshift / Snowflake for faster queries and lowering costs.

### A data lake that offers a powerful analytics environment.

BryteFlow creates data lakes on S3 that are much more than cloud storage objects. BryteFlow creates an automated data integration and analytics platform on S3 that allows you to replicate data in real-time from sources like SAP, SQL Server, Oracle and Salesforce, using log based Change Data Capture technology or from flat files. It merges and transforms that data (again in real-time) so it is ready to be used on Redshift, Snowflake or other AWS destinations like Aurora, Athena etc.

### Automating the Modern Data Architecture to take the load off your data warehouse.
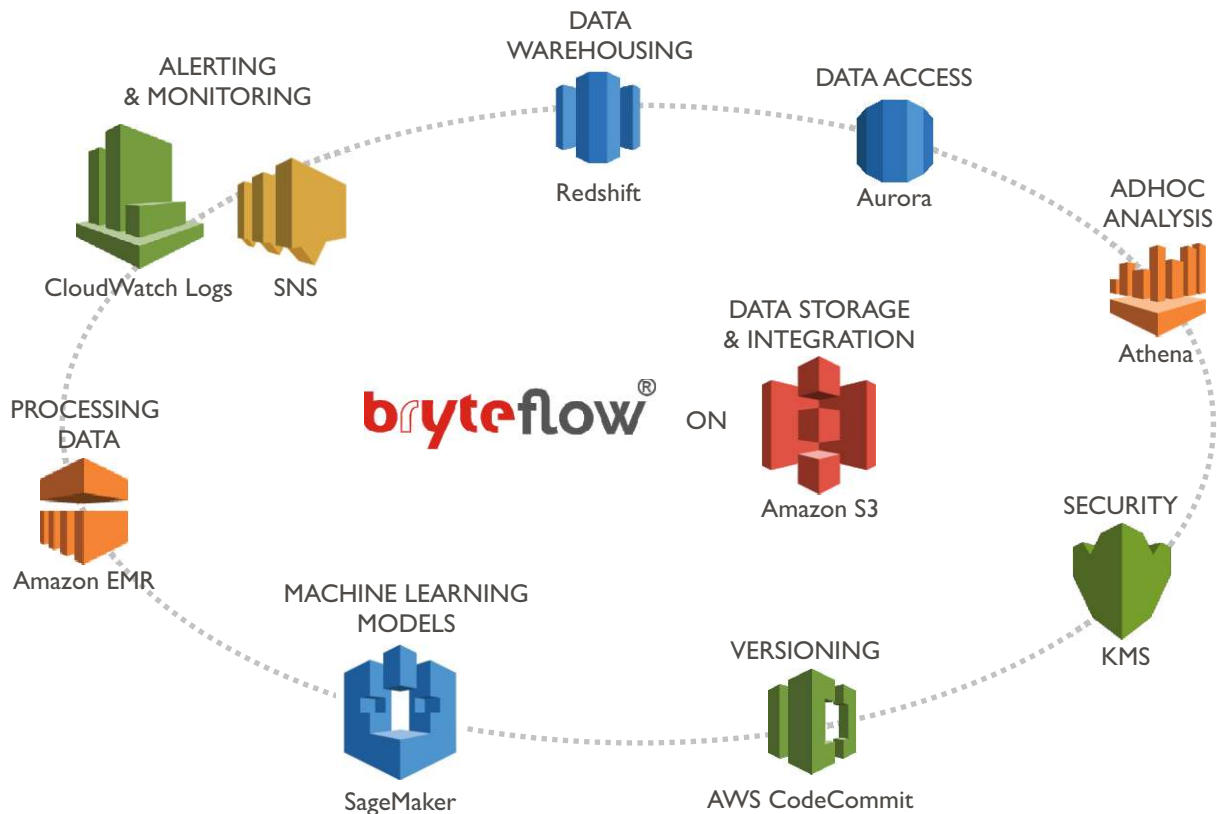
BryteFlow leverages AWS modern data architecture to give you the choice of using Amazon S3 as an effective analytical platform. If you run heavy computes, it is in your interest to let BryteFlow on S3 take care of basic data replication, merges and transformation. The data is then pushed to Redshift or Snowflake (data warehouse), queried through Redshift Spectrum or Athena or pushed to Aurora. This frees up the resources of your data warehouse, so users can run their queries faster with no competing data preparation workloads. It also reduces your data warehousing costs.

### Highlights

- Real-time data integration from SAP, Oracle, SQL Server, Salesforce, flat files and more.

- Data is trustworthy, complete and reconciled with source data continuously.

- Codeless, automated, self-serve solution with intuitive, user-friendly GUI.

- Smart partitioning means no impact on source systems and fast speeds.

- Seamless integrations between multiple compute platforms including Relational DW, Hadoop, Machine Learning and AI functionality.

- Scale disk space and compute capacity independently. Lower data processing cost by 10 to 30 times.

- BryteFlow enables time series data or SCD type 2 history for every record so point-in-time analytics becomes easy.

- Infinite scalability and high concurrency.

- User controlled alerting and monitoring capabilities.

- Retain multiple levels of data maturity from raw data to highly processed outputs.

- High Availability - Auto scaling and automated failover is built into the software, so it handles workloads smoothly.

- Top level security - your data is housed in your Virtual Private Cloud, masking and tokenization options.

## Deep integration with the AWS eco-system

BryteFlow integrates deeply with diverse AWS Services to perform data-related functions so you never need third party tools.

ALERTING
& MONITORING

DATA
WAREHOUSING

DATA ACCESS

CloudWatch Logs    SNS

Redshift

Aurora

ADHOC
ANALYSIS

Athena

PROCESSING
DATA

**bryteflow®** ON

DATA STORAGE
& INTEGRATION

Amazon S3

SECURITY

Amazon EMR

MACHINE LEARNING
MODELS

VERSIONING

KMS

SageMaker

AWS CodeCommit

## What exactly is BryteFlow?

BryteFlow is a synergistic range of products that integrate tightly with each other and AWS services to provide seamless, automated data integration on Amazon S3.

### BryteFlow Ingest

BryteFlow's flagship data replication tool Ingest replicates data in real-time with log based CDC. Provides high availability out of the box and ingests data at high speed. Structures data on Amazon S3 in smart partitions so that you can run queries very fast and your source system never slows down even with multiple users running queries at the same time.

### BryteFlow XLIngest

Custom-built data replication solution for huge datasets over 50 GB. Replicates large tables fast and flawlessly.

### BryteFlow Blend

Merges and transforms data automatically in real-time from a variety of sources. Integrates with BryteFlow Ingest to run data transformation jobs automatically. Its SQL based data management cuts down on development time by 90% as compared to coding using PySpark. All data assets have automated metadata and data lineage.

### BryteFlow TruData

Verifies and reconciles your data for completeness continuously or at your scheduled frequency and alerts you in case data is missing.

### BryteFlow Dashboard

Monitors, analyses and tracks every BryteFlow Ingest process you have running. Displays latency, extract and load status, start time, end time, ingest status etc.

**Bryte was recognized by AWS as Technology Partner of the Year 2018**

## About Bryte

At Bryte Systems we believe your data should deliver immediate business value. We provide enterprise software to build Cloud Data Lakes and Analytics environments to some of the biggest names in business including Under Armour, Origin Energy, Citic Pacific Mining, ANZ Bank, Vocus Communications, Woodside Energy, Waterford and more. Our mission is to take the pain out of data and enable it to add incredible value to your business. With BryteFlow you can replicate and prepare data for analytical and business insights in almost real- time across AI, ML, analytics and other hybrid environments.

CLIENTS



*A Partial Client List

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**Get a FREE Trial of the BryteFlow Standard Edition**
(Includes BryteFlow Ingest)

**Get a FREE Trial of the BryteFlow Enterprise Edition**
(Includes BryteFlow Ingest, XL Ingest & TruData)

**bryteflow** ® **Data to Dashboard in minutes!**

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Available in AWS Marketplace