BryteFlow for

ORACLE®

Completely automated, self-service and real-time.

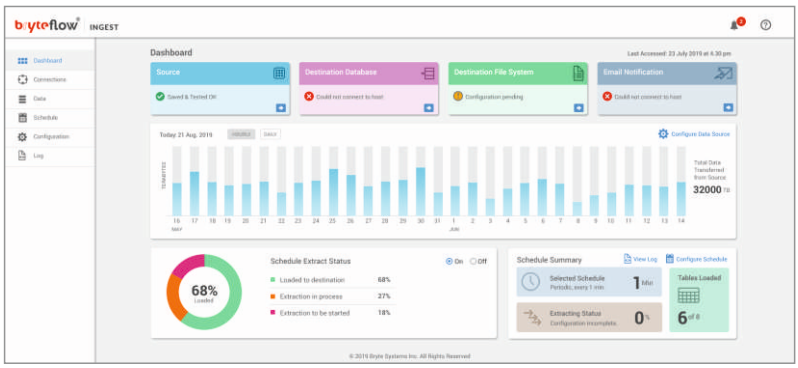
The codeless, super-fast way to get your Oracle data to Amazon S3, Redshift and Snowflake.

KEY FEATURES

- Zero source impact
- Log based change capture
- Real-time data replication
- Click-to-extract interface
- Automated outage recovery
- Data masking and encryption
- Flexible deployment options
- Historical data retention
- Automated data monitoring and reconciliation

BENEFITS

- Faster time to insight & action
- Low cost data storage
- Improved application
- performance
- Lower ETL footprint



BryteFlow Ingest, BryteFlow's Data Replication tool

BryteFlow makes it easy to extract, sync and start analyzing Oracle data by combining industry leading log-based change data capture (CDC) technologies with native support and integrations for AWS Big Data infrastructure and Snowflake.

Zero Impact at Source with Log Based Change Data Capture

BryteFlow eliminates the need for costly database queries, triggers or extensive logging to extract data. It syncs data by analyzing Oracle Database Logs under a minimal supplemental logging configuration and does not require any additional agents or software to be installed. The software can be configured to read redo logs directly from a production database, or operate under a downstream logmining configuration.

Built on industry standards

BryteFlow is built on Industry Standard Oracle Integrated Capture Methodology. It is future-proof and compatible with upgrades to Oracle v12c or Oracle on Amazon RDS.

Automatic catch-up from network dropout

In the event of a network error or outage, BryteFlow flags its last successful load and automatically resumes operations once connectivity is re-established. The software also features a high performance catch-up mode, designed to rapidly bring systems back into sync.

Continuous data sync

Continuous log scans and incremental extraction remove the need for resource-intensive batch extraction which frees up valuable processing time and limits the risk of large bulk data uploading failures. It also ensures that analysts and data scientists have access to current and up-to-date data.

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Click-to- extract

BryteFlow's click-based user interface delivers a codeless development environment to configure and monitor data streams - eliminating time spent managing complex ETL jobs.

Parallel log mining

For high volume transactional systems, BryteFlow parallel log mining enables data from multiple Oracle log files to be analyzed and loaded simultaneously - providing up to 4x faster performance.

Source switching

To eliminate high source system impact during initial full table loads, users can leverage Bryte's source switch functionality. This enables initial extracts to be completed using backup or standby databases. Once the initial extract has been completed, BryteFlow switches to the system logs for new data updates.

Historical data retention

BryteFlow provides out-of-the-box options to maintain full record history by using an industry standard type-2 approach. This tracks historical data by creating multiple records for a given natural key in the dimensional tables with separate surrogate keys and version numbers.

Masking and Encryption

BryteFlow enforces data encryption in transit and rest, and enables selected fields to be excluded from Data Extraction processes.

Flexible deployment options

BryteFlow software features flexible deployment options. It can be deployed on EC2 instance or on premise behind the organization's firewall / proxies.

Monitoring and Alerting

BryteFlow features an advanced data monitoring console which performs continuous data health checks and reconciliations. Users are automatically alerted and notified in the event of any system errors.

Advanced analytics-ready

BryteFlow can be configured with custom business logic to provide cleansed, modelled and analytics ready data. It also features out of the box integrations with Hadoop / Spark on Amazon EMR, AI with Amazon Machine Learning and powerful Data Warehousing with Amazon Redshift. With BryteFlow, data scientists can access and analyze data on-demand, using any technology or tool of their preference.

Partitioning for large tables

BryteFlow is built to effectively extract large application tables using partitioning algorithms. This process breaks up large tables into multiple sections for an effective multi-part upload.

Low cost data storage

BryteFlow is designed to land data into low cost Amazon Web Services Infrastructure on either Amazon S3 or Amazon Redshift and on Snowflake. With Amazon S3 Object Storage, clients can store their Oracle data for just 1 – 3 cents per GB per month.

Built-in AWS Best Practices & Optimizations

BryteFlow automates all core AWS best practices for data ingestion, storage and access. This includes Amazon KMS Encryption, Amazon S3 File Management / Naming Conventions, Sort and Dist Keys, S3FS integrations with EMR, Multi-part and parallel data uploads.

Configuration file for versioning and macro changes

BryteFlow maintains an XML file which captures all configuration changes. With this file, power users can speed up the configuration by copying-and-pasting macro changes.

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.

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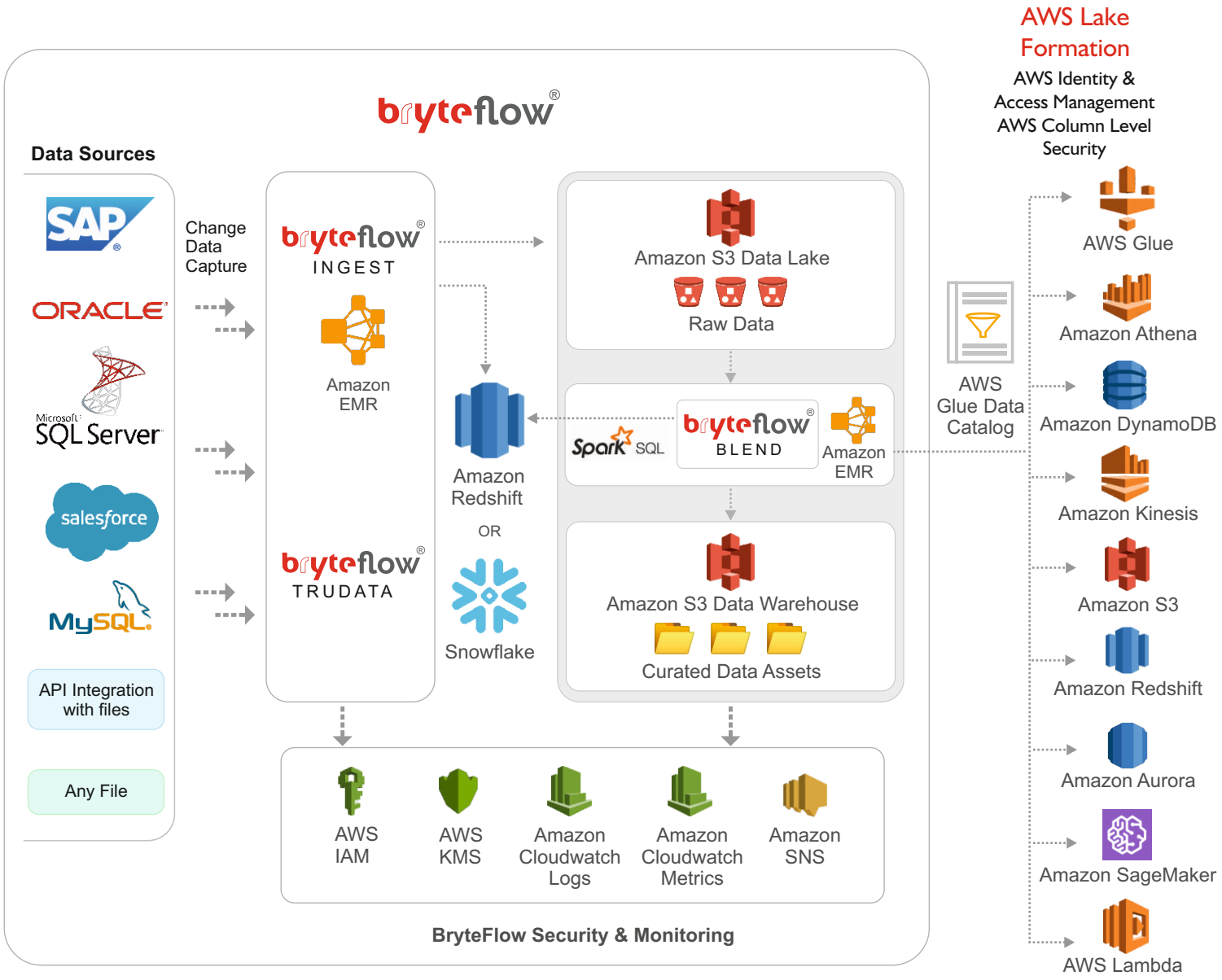
BryteFlow integrates seamlessly with AWS services to provide fast, real-time data integration



The BryteFlow Suite

BryteFlow Ingest & XL Ingest

BryteFlow Ingest & XL Ingest are for real-time, fast replication of data. XL Ingest handles especially large datasets over 50 GB.

BryteFlow Blend

BryteFlow Blend lets you remodel, merge, transform any data to prepare data models for Analytics, AI and ML.

BryteFlowTruData

BryteFlowTruData is the data reconciliation tool that verifies your data for completeness constantly so you can be sure no data is missing.

BryteFlow Dashboard

BryteFlow Dashboard gives a high level view across all BryteFlow Ingest instances, with data latencies and data concurrency available at a glance.

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TECHNOLOGY PARTNER OF THE YEAR 2018

About Us

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 US and Australian business including Under Armour, Origin Energy, Citic Pacific Mining, ANZ Bank, Vocus Communications, Woodside Energy, Waterford and more.

We believe BrtyeFlow software for AWS and Snowflake is a smarter, more cost-effective alternative to the typical cloud data warehouse. 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

origin, BINGO INDUSTRIES, ANZ, VOCUS communications, nib

UNDER ARMOUR, Waterford, Open Universities AUSTRALIA, woodside, Telstra

Woolworths the fresh food people, Ray White, NSW GOVERNMENT Transport Roads & Maritime Services, OPTUS yes, CITIC PACIFIC MINING

*A Partial Client List

GET A FREE TRIAL

We have FREE Trials of our products on AWS Marketplace

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

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

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

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Level 20, Tower A, The Zenith Centre, 821 Pacific Highway, Chatswood, NSW 2067, +61 2 8448 8111, info@bryteflow.com