Data Migration

SymmetricDS is enterprise software for data migration between databases, with no application downtime for supported systems. Easily move and transform data to support a new database platform, consolidate data, refresh technology, or simply upgrade systems with minimal business impact.

Key Features

- ✔ Simple and fast, cross-platform data migration
- ✔ Repeatable data migration through configured automation
- ✔ Convert schema and populate new database
- ✔ Fast import of data with native bulk loaders
- ✔ Transform, map, and enhance data
- ✔ Keep both systems online with change data capture
- ✔ Compare and validate data
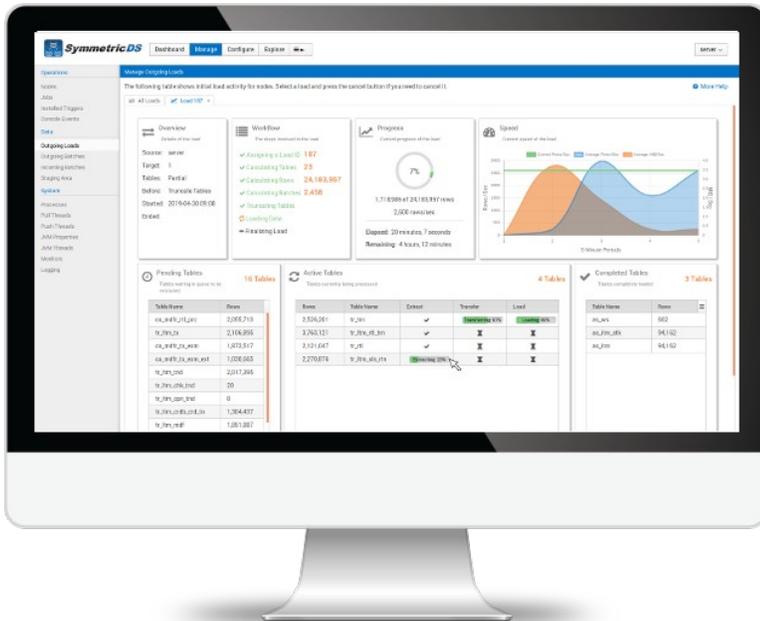
The web console makes it easy to monitor the progress of data migration and estimate time remaining.

Supported Systems

Zero Downtime

- Azure SQL
- Derby
- DB2 (LUW, i, z)
- Firebird
- H2
- HSQL
- Informix
- Interbase
- MariaDB
- MySQL
- NuoDB
- Oracle
- PostgreSQL
- RaimaDB
- SQLite
- SQL Server
- SQL Anywhere
- Sybase
- Tibero

Target Only

- Cassandra
- Greenplum
- Ignite
- Kafka
- MongoDB
- Redshift
- Snowflake
- Teradata
- VoltDB

Business Benefits

- ✔ Leverage JumpMind expertise and best practices
- ✔ Eliminate downtime and reduce risk to business
- ✔ Migrate applications to new database over time
- ✔ Automate data migration to avoid mistakes
- ✔ Improve visibility of migration status and time to completion
- ✔ Secure data and verify its integrity

How We Are Different

We focus on seamless, stable data integration software for projects with short timelines and tight budgets. We deliver on the commitments we make to our customers, whether that's meeting deadlines on a consulting engagement or exceeding SLAs on support. Simply put, we do what we say we're going to do, so you can count on us.

Professional Support

A production environment demands dependable, expert resources to provide technical assistance, troubleshoot problems, and fix defects. A support subscription from JumpMind includes access to highly skilled support engineers with guaranteed response times.

Standard Support
Unlimited issues with 6-hour high priority response during business hours

Enterprise Support
Unlimited issues with 2-hour high priority response around the clock

Data Migration

The SymmetricDS web console provides control and insight over multiple steps of the data migration process. The user configures the old and new databases and selects which tables will be migrated. Transformation can be used for mapping between tables, sub-setting rows, and converting data. Triggers are automatically installed on tables to capture any changes being made. To migrate data, the user starts an initial load of data, which creates table schema and populates it with data. The extract, transfer, and load sub-systems are controlled with multiple threads to maximize the hardware's capability. Data is bulk loaded using a direct path method provided by each database platform.

Migrate Applications

Initial Data Load
Change Data Capture

Two-Way Replication

Old Database   New Database
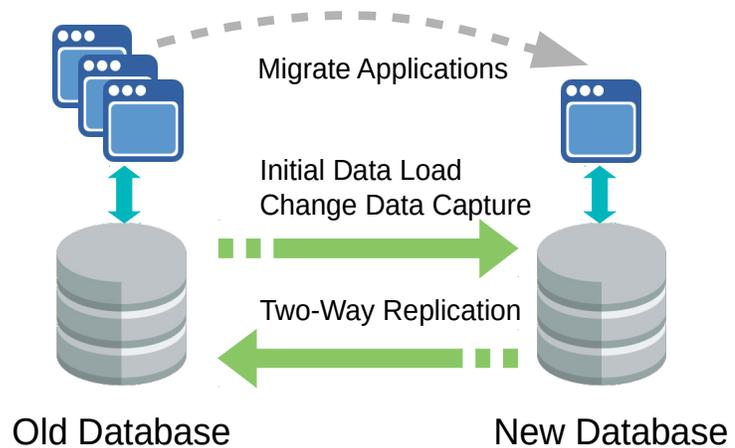
Change data capture follows the initial data load to continuously keep the new database in sync. For zero downtime, change data capture is enabled for both directions, allowing applications to be migrated over time. A conflict manager is used to automatically detect and resolve conflicts from simultaneous changes.

About JumpMind

JumpMind is a software company specializing in data replication and integration solutions for the enterprise. Our mission is to build software that is creative, practical, and easy to use. We provide consulting, enhancements, training, and support for our customers.

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