

DBMoto® v8

Real-time Data Replication and Change Data Capture

DBMoto®

DBMoto® is the preferred solution for heterogeneous **Data Replication, Change Data Capture and Data Transformation** requirements in an enterprise environment. Whether you are migrating data to a lower TCO database, synchronizing data among disparate operational systems, creating a new data warehouse, high-speed analytic or columnar database, building a business intelligence application or deploying a backup of key corporate data, DBMoto is the solution of choice for fast, trouble-free, easy-to-maintain Data Replication and Change Data Capture projects.

If you depend on data from multiple databases, you need a data replication solution that supports major relational database systems, big data platforms and data warehouse appliances out-of-the-box. Providing an efficient visual interface, intuitive wizards and easy-to-follow guides, DBMoto helps IT staff implement the toughest replication requirements quickly and easily. DBMoto is mature and approved by enterprises ranging from midsized to Fortune 1000 businesses worldwide.

Enabling dependable data delivery in enterprise environments requires expertise in database servers. HiT Software has offered relational data access products since 1994, and DBMoto incorporates proven integration technology to ensure high performance yet minimally intrusive data replication using Change Data Capture for maximum efficiency.

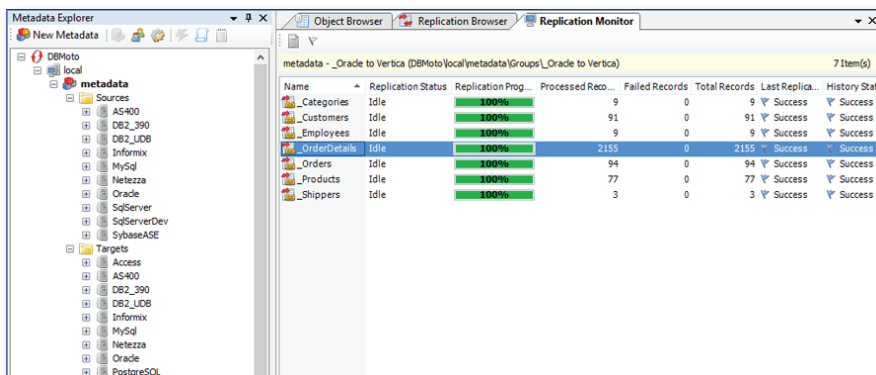
Powerful, Flexible, Configurable Change Data Capture

DBMoto® does not require any programming on the source or target database platforms in order to deploy or run its powerful data replication features.

DBMoto provides all functionality in easy GUI and wizard-based screens; no stored procedures to develop; and no proprietary syntax to learn.

Databases Supported:

- IBM® DB2® for i, AS400
- IBM® DB2® for z/OS (OS/390)
- IBM® DB2® LUW
- IBM® Informix®
- Oracle®
- Microsoft® SQL Server®
- MySQL™
- Gupta SQL Base
- Google App Engine™ Datastore
- SAP® Sybase® SQL Anywhere
- SAP® Sybase® ASE
- IBM® PureData™ (Netezza®)
- Actian™ Vectorwise
- HP® Vertica®
- SAP® HANA®
- Ingres
- PostgreSQL



Real-Time Data Replication and Change Data Capture

Refresh (Snapshot) Mode: Reads data set, applies administrator-defined mapping rules, and writes the entire result to the target database

Mirroring (CDC) Mode: One-way replication using CDC from source to target in real-time, based on transaction log management whenever possible

Synchronization Mode: Uses DBMoto's CDC-based transaction log management and custom conflict resolution strategies to keep multiple databases bi-directionally synchronized

Key Features

Database Support

- Support for multiple relational databases as sources and targets
- Support for analytic/columnar databases as targets including SAP® HANA®, IBM® PureData™ System (Netezza®), HP® Vertica® and Actian® Vectorwise™
- Support for database cluster environments
- Support for Oracle RAC and Sequences
- Support for data replication in Cloud environments, including disconnected databases and Google App Engine™ Datastore
- Open APIs to integrate DBMoto into corporate architectures, or into third-party solutions

Replication Support

- Replication modes: Refresh (snapshot), Mirroring (change data capture), Synchronization (real-time bi-directional mirroring with conflict resolution)
- “Multi-Server Synchronization” to synchronize changes bi-directionally between source and multiple targets, with built-in conflict resolution
- Automatic creation of target tables
- Extensive log reporting and accessibility
- Powerful visual tool for information on replication status and errors
- DBMoto Verifier™ tool to easily compare and reconcile replication results for accuracy and auditing
- Support for extended data types, such as XML
- Built-in transformation functions, with custom functions definable at any time

User Support

- User-friendly graphical interface
- Wizards for fast, easy configuration and setup
- Configuration and management of entire replication process through one or many DBMoto Management Center console(s) on Windows platform
- Remote administration of DBMoto Replicator through Management Center
- Customizable via Microsoft VB.NET scripting and event-driven environment
- Extensive security including user and certificate authentication via TCP/IP and HTTP
- No programming needed on source or target database platforms
- Source and target table access via standard .NET data provider protocol

DBMoto supports the following Databases, Cloud Systems, Analytic Systems	Snapshot (Refresh)	One-way CDC (Mirroring)		Bi-directional CDC (Synchronization)
	Source or Target	Source	Target	Source or Target
IBM® DB2® for i, AS400 V4R3 and later	✓	✓	✓	✓
IBM® DB2® z/OS (OS/390) v5 and later	✓	✓	✓	✓
IBM® DB2® for LUW v5 and later	✓	✓	✓	✓
IBM® Informix®	✓	✓	✓	✓
Oracle® v8 and later	✓	✓	✓	✓
Microsoft® SQL Server® v6.5 and later	✓	✓	✓	✓
MySQL™ v3.23 and later	✓	✓	✓	✓
Gupta Technologies SQLBase	✓	✓	✓	✓
Google App Engine™ Datastore	✓	✓	✓	✓
SAP® Sybase® SQL Anywhere	✓	✓	✓	✓
SAP® Sybase® ASE® v12.50 and later	✓	✓	✓	✓
IBM® PureData™ System for Analytics (Netezza®)	✓	✓	✓	✓
Actian® Vectorwise™	✓		✓	
HP® Vertica®	✓		✓	
SAP® HANA®	✓		✓	
Ingres 2006	✓		✓	
PostgreSQL	✓		✓	

Unmatched Replication and Transformation Control

With DBMoto®, users define data replication and transformations by applying built-in mapping and customized business rules.

Business rules can be applied through scripts, which are used to filter data or to add business logic to a replication. They are generally implemented through automatically-generated events during a DBMoto replication. Scripting can perform source/target table lookups, append log activity, and update target tables. DBMoto also includes a powerful expression generator for interactive data transformation.

DBMoto's Management Center GUI console:

- Identifies and connects to multiple source and target databases
- Creates target tables
- Manages and controls access to replication configurations
- Sets up replication processes and groups them for efficient execution
- Stores replication mapping and rules in a metadata database
- Monitors replication processes, compares results and analyzes issues
- Provides real-time information on replication status
- Records replication activity, performance and errors into logs, to quickly spot and manage errors

System Requirements

- Windows Server 2012/2008/2003
- .NET Framework 4.0 or higher



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