

# DBMoto<sup>®</sup> for Vectorwise<sup>™</sup>

Real-time Data Replication and CDC for Analytic Database Systems



A BackOffice Associates, LLC Company

## DBMoto<sup>®</sup> for Vectorwise<sup>™</sup>

DBMoto<sup>®</sup> is the preferred solution for heterogeneous **Data Replication, Change Data Capture and Data Transformation** requirements in an enterprise environment. DBMoto supports Actian's<sup>™</sup> Vectorwise<sup>™</sup> Analytic Database System through built-in integration capabilities that provide seamless data loading and data mirroring to Vectorwise targets. Whether you need to deploy a new Vectorwise system, or upgrade from an incumbent system, DBMoto can help make data migration an easy and understandable task.

DBMoto is the solution of choice for fast, trouble-free, easy-to-maintain data integration projects. If you depend on data from multiple databases, you need a data integration solution that supports major relational database systems, and that works out-of-the-box. Using 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 mid-sized to Fortune 1000 businesses worldwide.

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

### Real-Time Data Replication and Change Data Capture

DBMoto provides two replication modes for Vectorwise databases:

**Refresh mode:** DBMoto reads the data set, applies administrator-defined mapping rules, and writes the entire result to Vectorwise.

**Mirroring mode:** One-way replication from source to Vectorwise, using Change Data Capture (CDC) and transaction log management.

*DBMoto's Management Center GUI console includes features to easily:*

- Identify and connect to multiple source databases, with Vectorwise as a target
- Create target tables
- Manage and control access to replication configurations
- Set up replication processes and group them for efficient execution
- Store replication mapping and rules in a metadata database
- View real-time information on replication status
- Record replication activity, performance, and errors into logs, providing a quick method to spot and manage errors

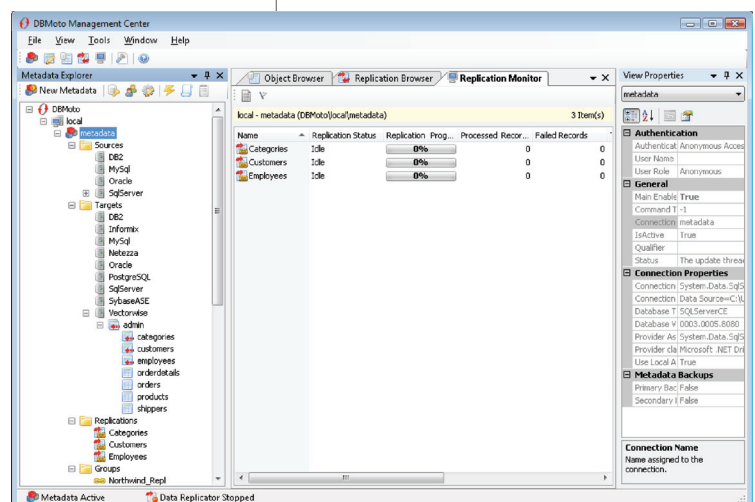
### Powerful, Flexible, Configurable Change Data Capture!

DBMoto<sup>®</sup> does not require any programming on the source or target database platforms in order to deploy or run its powerful data integration 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 as Sources:

- IBM DB2 for i, AS400
- IBM DB2 for z/OS (OS/390)
- DB2 LUW
- Informix
- Oracle
- Microsoft SQL Server
- MySQL
- Sybase ASE
- SQL Anywhere
- Ingres
- PostgreSQL
- Gupta SQLBase



## 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.

## Databases Supported as Source for Mirroring Mode

IBM DB2 for i and AS400 V4R3 and later  
IBM DB2 for z/OS (OS/390) v5 and later  
IBM DB2 for Windows v5 and later  
IBM DB2 for AIX, Linux, HP/UX, Solaris v5 and later  
IBM Informix  
Oracle v8 and later  
Microsoft SQL Server v6.5 and later  
MySQL v3.23 and later  
Gupta Technologies SQLBase  
Sybase ASE v12.50 and later  
Sybase SQL Anywhere

## Databases Supported as Source for Refresh Mode

IBM DB2 for i and AS400 V3R2 and later  
IBM DB2 for z/OS (OS/390) v5 and later  
IBM DB2 for Windows v5 and later  
IBM DB2 for AIX, Linux, HP/UX, Solaris v5 and later  
IBM Informix  
IBM Netezza  
Oracle v8 and later  
Microsoft SQL Server v6.5 and later  
MySQL v3.23 and later  
Sybase ASE v12.50 and later  
SQL Anywhere  
Ingres 2006  
PostgreSQL  
Gupta Technologies SQLBase Server v8.5.0 and later

## Requirements For Systems Running DBMoto:

Windows Server 2012/2008/2003/2000  
.NET Framework 2.0 SP2, or higher

## Data Provider Requirements:

.NET Provider for Vectorwise (download at:  
[http://esd.action.com/product/drivers/.NET\\_Data\\_Provider/](http://esd.action.com/product/drivers/.NET_Data_Provider/))

\* Visit [www.hitsw.com](http://www.hitsw.com) for more details

## Key Features

### DATABASE SUPPORT

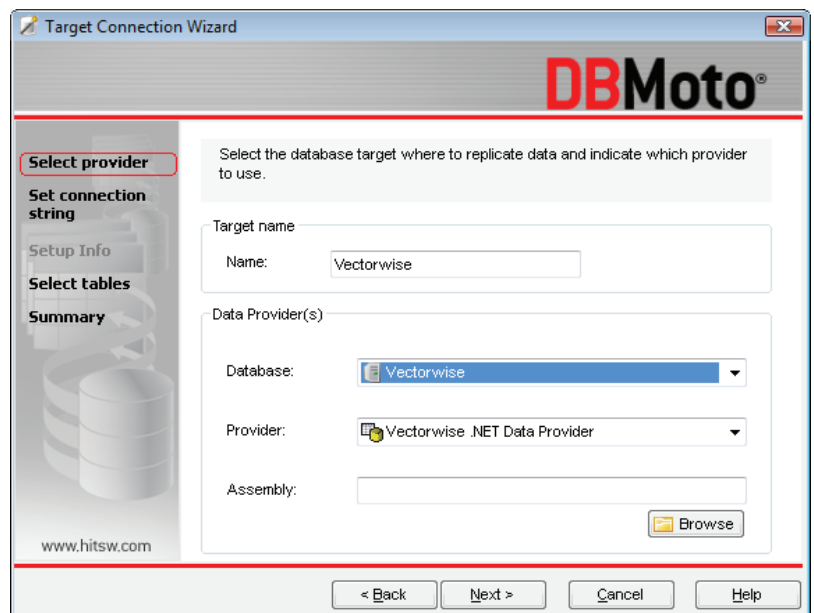
- Support for all major databases as sources: IBM DB2 (including IBM i/AS400, z/OS, Linux, AIX, Windows), IBM Informix, Oracle, Microsoft SQL Server, MySQL, Sybase Adaptive Server Enterprise, SQL Anywhere, Ingres, Gupta Technologies SQLBase and PostgreSQL
- Support for Actian's Vectorwise Analytic Database System as target
- Support for database cluster environments

### REPLICATION SUPPORT

- Replication modes: Refresh (snapshot), Mirroring (change data capture)
- 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 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
- Administrative wizards for fast, easy configuration and setup
- Configuration and management of entire replication process from DBMoto's Management Center console 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 authentication and other options
- No programming needed on source or target database platforms
- Source and target table access via standard .NET data provider protocol



REAL-TIME DATA REPLICATION

EASY CHANGE DATA CAPTURE

DATA CONVERSION

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