Altibase Migration Center 7.14 Release Notes

Release 7.14 (November 1, 2024)

Altibase® Tools & Utilities

Altibase Release Notes Migration Center

Release 7.14

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Table of Contents

1. Abstract

1.1 Altibase Migration Center

Migration Center is a database migration tool that either directly or indirectly copies generally compatible database objects and data. Most databases comply with international standards, but no database is exempt from manual database migration. Generally, manual database migration is complicated, time-consuming, and error-prone. Migration Center helps users migrate databases with only a few mouse clicks in Graphic User Interface (GUI) mode, and offers Command Line Interface (CLI) mode as well.

1.2 System Requirements

Minimum Hardware

The minimum specifications of hardware for running Migration Center are as follows.

	GUI mode	CLI mode
Computer processor	800MHz Pentium III or better	Ditto
Computer memory	512 MB or more	Ditto
Computer disk	150MB or more free space	Ditto
Screen resolution	1024 * 800 pixels or higher	-

Supported Operating Systems

Migration Center can be run regardless of OS if it meets the minimum software specifications.

Minimum Software

Migration Center is a pure Java application that uses Swing for GUI mode. It runs regardless of the user's hardware and operating system, but relies on the JRE. The user is recommended to install Oracle, or IBM Java 8 or later. To run Migration Center in GUI mode, the user's environment must support Java Swing.

Mode	JRE	OS Graphic Library
GUI	Sun or IBM Java 8 or higher	Required
CLI	Sun or IBM Java 8 or higher	Not required

1.3 Compatible DBMS

This section introduces the DBMSs and versions that can be migrated using Migration Center 7.14.

Source DBMS	Target DBMS
Altibase 4.3.9 or higher CUBRID 8.4.1 ~ 9.3.5 (ISO-8859-1, UTF-8 charset) Informix 11.50 Microsoft SQL Server 2005 ~ 2012 Oracle Database 9i ~ 11g Oracle MySQL 5.0 ~ 5.7 Oracle TimesTen 7.0, 11.2 Tibero 4 SP1 ~ 6 PostgreSQL 9.5.3	Altibase 6.5.1 or higher

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2. Release Information

This section summarizes new features, fixed bugs, and changes in Migration Center 7.14.

2.1 New Features

BUG-50652   Support User to Modify Select Condition Entered in Reconcile Step Before Executing in Run Step

When extracting data from the source database, a function that allows only data that meets a specific condition to be selectively extracted and migrated has been added. The Select condition can be modified in "Select Editing" during the Reconcile step, or edited directly by the user in the TableCondition.properties file after completing the Reconcile step.

2.2 Bug-Fixes

BUG-50263   Data Type Mapping Update: BINARY_DOUBLE of Oracle, TimesTen, and Tibero is Now Mapped to DOUBLE, Replacing the Previous VARCHAR Mapping

The BINARY_DOUBLE types of Oracle, TimesTen, and Tibero are compatible with the DOUBLE type, so the default data mapping type need to be changed. However, Oracle, TimesTen, and Tibero support special values of NaN(Not a Number) and INF(Infinity), while Altibase does not. For these values, data loss can occur.

BUG-50821   Altibase to Oracle Migration Feature is No Longer Supported

Altibase to Oracle migration feature is no longer provided in accordance with company policy.

BUG-50827   Data Type Mapping Update: The TimesTen Binary Type is Now Mapped to BYTE, Replacing the Previous BLOB Mapping

The default data mapping type of TimesTen Binary type is more suitable for BYTE type than BLOB type, which is a large binary data type, considering data size range and compatibility. Therefore, the data mapping type of TimesTen Binary type is changed from BLOB type to BYTE type.

BUG-51034   Provide Empty String Data Conversion Function for Migration to Altibase

Since Altibase does not distinguish between Empty String and Null data, unexpected results may occur when migrating records with Empty String. To prevent this, a function of converting Empty String data into a form suitable for Altibase is added to the Migration Option.

BUG-51035   Provide Conversion Function for Not Null & Default ''(Empty String) Columns During Migration to Altibase

Since Altibase does not distinguish between Empty String and Null data, columns with Not Null and Default ''(Empty String) settings in other DBMS cannot be migrated as they are. To solve this problem, the Migration Option provides the function of converting Not Null & Default ''(Empty String) column into DDL statements suitable for Altibase.

BUG-51075   Migration Center UI Enhancement: Add Scrollbar and Adjust Height for Improved Usability in Option Window

As options are continuously added to the Migration Center, the length of the existing Option window is too long, which may cause inconvenience to use. Add a scrollbar to the Option window and modify the height of the Option window.

BUG-51076   Migration Center UI Enhancement: Allow User-Adjustable Separation Bar in the Main Window

In some cases, the Project tree and DB Properties window on the left side of the Migration Center main window may not be visible at certain resolutions. In the left window, the user cannot normally use the Migration Center in this case because the user cannot arbitrarily adjust the size. Modify the Project tree and DB Properties window on the left side of the main window to allow the user to adjust the size.

3. Open Source Libraries / Royalty-Free Images Used

Open Source Library

Migration Center is based on the following open-source libraries. The licenses are distributed in a text file format along with Migration Center.

Library	Open Source License
Apache Commons Codec	Apache License 2.0
Apache Commons Lang	Apache License 2.0
Apache Commons Mathematics	Apache License 2.0
Apache Commons IO	Apache License 2.0
Java Help System	GPL linking exception
JDOM	Apache-style Open Source License
JUniversalChardet	Mozilla Public License Version 1.1
JGraphT	GNU Lesser General Public License
Log4J	Apache License 2.0
OpenCSV	Apache License 2.0
Oracle JDBC Driver	OTN

Royalty-Free Images

Library	Royalty-Free Images
org.eclipse.datatools	www.eclipse.org
asp.net_commercial_free2	www.asp.net
fugue-icons-3.2.3-src	http://code.google.com/p/fugue-icons-src/
Silk Icons 1.3	www.famfamfam.com

4. Packages

The Migration Center installation package is provided in two types (.zip, .gz) files.

- MigrationCenter7.14.zip
- MigrationCenter7.14.tar.gz

5. Download

Package

http://support.altibase.com/en/product

Manual

Migration Center User's Manual

Installation

Please refer to the Migration Center User's Manual.