

Altibase Migration Center 7.11 Release Notes

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1. Abstract

1.1 Altibase Migration Center

Migration Center is a database migration tool which enables users to migrate a third-party database to Altibase database and external files or Altibase database to Oracle database in a convenient manner. Typically, the tasks of manual database migration are complicated, time-consuming, and prone to human error. In order to relieve such burden, Migration Center can be utilized providing qualified help for users to efficiently perform database migration with only a few mouse clicks in the Graphic User Interface (GUI) mode. Moreover, it also supports the migration at a Command Line Interface (CLI) mode for optimized resource consumption.

1.2 System Requirements

Minimum Hardware

	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 * 768 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-based client application relying on the JAVA Runtime Environment (JRE) instead of the client's hardware or an operating system. In order to execute Migration Center in the GUI mode, however, additional support for the graphic library of operating system is required.

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

The target DBMS is Altibase

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	Altibase 6.5.1 or higher

The target DBMS is Oracle

Source DBMS	Target DBMS
Altibase 4.3.9 or higher	Oracle Database 10g ~ 11g

2. Release Information

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

2.1 New Features

2.2 Bug-Fixes

BUG-49950 Need to provide CREATE statement of database object that are not automatically migrated by Migration Center.

Objects in the source database that are not automatically migrated by Migration Center require manual conversion by the user. From Migration Center 7.11, if the source database provides the CREATE statements of those objects, these statements are recorded in the two files below in the Build phase, so users can refer to these files in case of manual conversion required.

- SrcDbObj_Create.sql
- BuildReport4Unsupported.html

BUG-49951 Unicode CHAR/VARCHAR table column of MySQL is always converted to NVARCHAR (10666) of Altibase.

When the character set of a CHAR/VARCHAR column in MySQL is Unicode, the data type to be converted is determined according to the character set of Altibase.

CHAR/VARCHAR in MySQL	Unicode character set at Altibase	Non-Unicode character set at Altibase
Unicode character set	CHAR/VARCHAR	NCHAR/NVARCHAR
Non-Unicode character set	CHAR/VARCHAR	CHAR/VARCHAR

The table column size of target database is also determined by the character set and column size expression unit (byte or number of characters) of the source/target database for CHAR or VARCHAR type. If the adjusted table column size exceeds the maximum size of CHAR or VARCHAR of the target database, the data type of the target table column is escalated to CLOB. This is to prevent data loss during data migration due to the difference in data type maximum size between the source and target databases.

Related information can also be found in [Migration Center User's Manual-Appendix C: Data Type Mapping-Default Data Type Mapping Tables](#)

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.

- MigrationCenter7.11.zip
- MigrationCenter7.11.tar.gz

5. Download

Package

<http://support.altibase.com>

Manual

[Migration Center User's Manual](#)

Installation

Please refer to the Migration Center User's Manual.