

Altibase Migration Center 7.16 Release Notes

Release 7.16 (September 12, 2025)

Altibase® Tools & Utilities

Altibase Release Notes Migration Center

Release 7.16

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Table of Contents

- [1. Abstract](#)
 - [1.1 Altibase Migration Center](#)
 - [1.2 System Requirements](#)
 - [1.3 Compatible DBMS](#)
- [2. Release Information](#)
 - [2.1 New Features](#)
 - [2.2 Bug-Fixes](#)
- [3. Open Source Libraries / Royalty-Free Images Used](#)
- [4. Packages](#)
- [5. Download](#)

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. 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 7.16.

Source DBMS	Target DBMS
Altibase 4.3.9 or higher CUBRID 8.4.1 ~ 9.3.5 (ISO-8859-1, UTF-8 charset) Microsoft SQL Server 2005 ~ 2012 Oracle Database 10gR2 ~ 21c Oracle MySQL 5.0 ~ 5.7 Oracle TimesTen 11.2 Tibero 4 SP1 ~ 7.2.2 PostgreSQL 9.5.3	Altibase 6.5.1 or higher

Note

Unsupported Versions

The following database versions are no longer supported in Migration Center starting from version 7.16:

- **Oracle:** 9i, 10g Release 1 (10gR1)
- **TimesTen:** 7
- **Informix:** 11.50

2. Release Information

This section summarizes new features, fixed bugs, and changes in Migration Center 7.16.

2.1 New Features

Support Oracle 21c as Source Database

Oracle 21c has been added to the list of supported source databases.

Support for JSON Data Type

The JSON data type has been added to the list of supported data types. During migration, it will be mapped to the JSON type if the target database (Altibase) supports it. If the target database doesn't support JSON, it will be mapped to the CLOB type instead.

Provide an Option to Specify the Correction Factor for Character Type Conversion

The 'Correction Factor for Character Type Conversion' option has been added to the DB to DB Migration Options. This option specifies a correction factor for the automatic length conversion of character data types (CHAR, VARCHAR) when the source and target databases use different character sets. The default value is automatically calculated, and it cannot be set to less than 1. Note that this correction factor does not apply to columns that have a column-specific character set defined.

Validation Added for Migration Option Values in the Migration Option Window

A new pop-up window has been added to the migration option window. This window displays a list of options with invalid values and their reasons when an invalid option value is entered. Invalid option values will not be applied unless they are corrected to a valid value within the option window.

Oracle Internationalization Support Library (orai18n.jar) Added to Migration Center package

To support Oracle's multilingual character sets, the **orai18n.jar** has been added to the Migration Center package.

2.2 Bug-Fixes

BUG-51321 Fixes an Issue where the "Use double-quoted identifier" Option was not Applied to Columns in the "Unacceptable Name" Step During the Reconcile Phase

In the Reconcile phase, the "Unacceptable Name" step identifies objects that violate the target database's naming rules and allows for renaming. Previously, when the target object was a column, the "Use double-quoted identifier" option was not applied due to an error. This issue has been resolved.

BUG-51472 Add PSM converter rules: Add rule to remove unsupported DEFAULT COLLATION clause

Altibase does not support the DEFAULT COLLATION clause. PSM converter rules RULE-11009, RULE-12018, RULE-13016, RULE-14011, and RULE-16003 have been added to remove the unsupported DEFAULT COLLATION clause.

BUG-51650 Apply automatic adjustment of character column length between heterogeneous character sets when the source database uses a single-byte character set

The automatic adjustment of character column length between heterogeneous character sets is now applied even when the source database uses a single-byte character set.

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.

- MigrationCenter7.16.zip
- MigrationCenter7.16.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.