

# Altibase Migration Center 7.10 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

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

### 2.1 New Features

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#### Support MySQL 5.6 and 5.7 as source database

It is possible to migrate database objects and data from MySQL 5.6, 5.7 to Altibase DBMS using Migration Center. Supported version of the source database MySQL has been changed from MySQL 5.0 to **5.5** to MySQL 5.0 to **5.7**. (BUG-49595)

#### Support batch processing of LOB data type during data migration

[Batch LOB type](#) has been added to DB to DB migration options whether or not to batch processing of LOB data type. This option can be used to improve the data migration performance for LOB data type. (BUG-49731)

#### Support OpenJDK18

Migration Center 7.10 compatibility verification has been completed in OpenJDK18.

### 2.2 Bug-Fixes

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#### BUG-47352 Fix incorrect MySQL bit data type default value conversion

The default value of MySQL BIT data type written with bit-value literals in the form of b'val' had been incorrectly converted to 'b"val' and caused *ERR-2100C : Conversion not applicable* during schema migration. MySQL's bit-value literals default value `b'val'` is to be converted into Altibase `VARBIT'val'`.

### 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	Homepage: <a href="http://commons.apache.org/codec/">http://commons.apache.org/codec/</a> License: Apache License 2.0( <a href="http://www.apache.org/licenses/LICENSE-2.0.txt">http://www.apache.org/licenses/LICENSE-2.0.txt</a> )
Apache Commons Lang	Homepage: <a href="http://commons.apache.org/proper/commons-lang/">http://commons.apache.org/proper/commons-lang/</a> License: Apache License 2.0( <a href="http://www.apache.org/licenses/LICENSE-2.0.txt">http://www.apache.org/licenses/LICENSE-2.0.txt</a> )
Apache Commons Mathematics	Homepage: <a href="http://commons.apache.org/math/">http://commons.apache.org/math/</a> License: Apache License 2.0( <a href="http://www.apache.org/licenses/LICENSE-2.0.txt">http://www.apache.org/licenses/LICENSE-2.0.txt</a> )
Apache Commons IO	Homepage: <a href="http://commons.apache.org/proper/commons-io/">http://commons.apache.org/proper/commons-io/</a> License: Apache License 2.0( <a href="http://www.apache.org/licenses/LICENSE-2.0.txt">http://www.apache.org/licenses/LICENSE-2.0.txt</a> )
Java Help System	Homepage: <a href="http://javahelp.java.net/">http://javahelp.java.net/</a> License: GPL linking exception( <a href="http://en.wikipedia.org/wiki/GPL_linking_exception">http://en.wikipedia.org/wiki/GPL_linking_exception</a> )
JDOM	Homepage: <a href="http://www.jdom.org/">http://www.jdom.org/</a> License: Apache-style Open Source License( <a href="http://www.jdom.org/docs/faq.html#a0030">http://www.jdom.org/docs/faq.html#a0030</a> )
JUniversalChardet	Homepage: <a href="http://wwwarchive.mozilla.org/projects/intl/UniversalCharsetDetection.html">http://wwwarchive.mozilla.org/projects/intl/UniversalCharsetDetection.html</a> License: Mozilla Public License Version 1.1( <a href="http://www.mozilla.org/MPL/1.1/">http://www.mozilla.org/MPL/1.1/</a> )
JGraphT	Homepage: <a href="http://jgrapht.org/">http://jgrapht.org/</a> License: GNU Lesser General Public License( <a href="http://jgrapht.org/LGPL.html">http://jgrapht.org/LGPL.html</a> )
Log4j	Homepage: <a href="http://logging.apache.org/index.html">http://logging.apache.org/index.html</a> License: Apache License 2.0( <a href="http://www.apache.org/licenses/LICENSE-2.0.txt">http://www.apache.org/licenses/LICENSE-2.0.txt</a> )
	Homepage: <a href="http://onensv.sourceforge.net/">http://onensv.sourceforge.net/</a>

Library	Open Source License
Oracle JDBC Driver	Homepage: <a href="http://www.oracle.com">http://www.oracle.com</a> License: OTN( <a href="http://www.oracle.com/technetwork/licenses/distribution-license152002.html">http://www.oracle.com/technetwork/licenses/distribution-license152002.html</a> )

## Royalty-Free Images

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

## 4. Packages

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

- MigrationCenter7.10.zip
- MigrationCenter7.10.tar.gz



## 5. Download

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### Package

<http://support.altibase.com>

### Manual

[Migration Center User's Manual](#)

### Installation

Please refer to the Migration Center User's Manual.