

# **Altibase Migration Center 7.2 Release Notes**

April 3, 2017

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# 1. Abstract

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## 1.1 System Requirements

### Minimum Hardware: GUI Mode

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- Computer processor: 800MHz Pentium III or better
- Computer memory: 512MB or more
- Computer disk: 150MB or more free space
- Screen resolution: 1024 x 768 pixels or greater

### Minimum Hardware: CLI Mode

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- Computer processor: 1 CPU or more
- Computer memory: 512MB or more
- Computer disk: 150MB or more free space

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## 1.2 Supported Operating Systems and Platforms

Mode	JRE	OS Graphic Library
GUI mode	Sun or IBM Java 5 or higher	Required
CLI mode	Sun or IBM Java 5 or higher	Not required

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.

## 2. Release Information

### 2.1 Altibase Migration Center 7.2

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.

#### 2.1.1 New Features

- [Altibase to Oracle]
  - Migration from Altibase database to Oracle is available.

#### 2.1.2 Bug-Fixes

PK	SYNOPSIS
BUG-44568	The sequence of columns might be changed when executing indexes with multiple columns if the source DB is Altibase.
BUG-44491	There is a potential problem not able to retrieve partitioning key columns properly if a partitioned table with the identical name is owned by another user.
BUG-43660	An error message displaying 'Null' is output when attempting to create a report in the state of not being connected to the database after opening a project.
BUG-43648	The execution status is not properly in the second run dialog displayed if the run phase is executed two consecutive times when the migration target is data.
BUG-43638	An error message displaying 'null' is output when executing a connection test after incorrect IP addressed was inserted.
BUG-41410	Support SSL for Migration Center
BUG-40259	COMMENT Migration fails if a table or column name with a comment was the reserved word in the destination database.
BUG-38954	The migration execution time is needed for each database object in the run report.

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## 2.2 Changes

Features that have been added, deleted or updated in Migration Center are listed and explained below.

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### 2.2.1 Version Update

#### Migration Center Version

Altibase Migration Center Version
7.2

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### 2.2.2 Database Compatibility

#### Destination Database: Altibase

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##### Source Database

- Altibase : Altibase 4.3.9 or higher
- ORACLE : Oracle 9i ~ 11g
- MS-SQL : MS-SQL 2005 ~ 2012
- MySQL : MySQL 5.0 ~ 5.5
- Informix : Informix 11.50
- TimesTen : TimesTen 7.0, TimesTen 11.2
- CUBRID : CUBRID 8.4.1 ~ 9.3.5  
(ISO-8859-1, UTF-8 charset)

##### Destination Database

- Altibase : Altibase 5.5.1 or higher

#### Destination Database: Oracle

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##### Source Database

- Altibase : Altibase 4.3.9 or higher

##### Destination Database

- ORACLE : Oracle 10g ~ 11g

## **2.2.3 Properties**

NONE

## **2.2.4 Error Messages**

NONE

## 2.3 Open Source Libraries / Royalty-Free Images Used

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	<ul style="list-style-type: none"> <li>Homepage: <a href="http://commons.apache.org/codec/">http://commons.apache.org/codec/</a></li> <li>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>)</li> </ul>
Apache Commons Lang	<ul style="list-style-type: none"> <li>Homepage: <a href="http://commons.apache.org/proper/commons-lang/">http://commons.apache.org/proper/commons-lang/</a></li> <li>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>)</li> </ul>
Apache Commons Mathematics	<ul style="list-style-type: none"> <li>Homepage: <a href="http://commons.apache.org/math/">http://commons.apache.org/math/</a></li> <li>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>)</li> </ul>
Apache Commons IO	<ul style="list-style-type: none"> <li>Homepage: <a href="http://commons.apache.org/proper/commons-io/">http://commons.apache.org/proper/commons-io/</a></li> <li>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>)</li> </ul>
Java Help System	<ul style="list-style-type: none"> <li>Homepage: <a href="http://javahelp.java.net/">http://javahelp.java.net/</a></li> <li>License: GPL linking exception (<a href="http://en.wikipedia.org/wiki/GPL_linking_exception">http://en.wikipedia.org/wiki/GPL_linking_exception</a>)</li> </ul>
JDOM	<ul style="list-style-type: none"> <li>Homepage: <a href="http://www.jdom.org/">http://www.jdom.org/</a></li> <li>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>)</li> </ul>
juniversalchardet	<ul style="list-style-type: none"> <li>Homepage: <a href="http://www-archive.mozilla.org/projects/intl/UniversalCharsetDetection.html">http://www-archive.mozilla.org/projects/intl/UniversalCharsetDetection.html</a></li> <li>License: Mozilla Public License Version 1.1 (<a href="http://www.mozilla.org/MPL/1.1/">http://www.mozilla.org/MPL/1.1/</a>)</li> </ul>
JGraphT	<ul style="list-style-type: none"> <li>Homepage: <a href="http://jgrapht.org/">http://jgrapht.org/</a></li> <li>License: GNU Lesser General Public License (<a href="http://jgrapht.org/LGPL.html">http://jgrapht.org/LGPL.html</a>)</li> </ul>
Log4j	<ul style="list-style-type: none"> <li>Homepage: <a href="http://logging.apache.org/index.html">http://logging.apache.org/index.html</a></li> <li>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>)</li> </ul>
opencsv	<ul style="list-style-type: none"> <li>Homepage: <a href="http://opencsv.sourceforge.net/">http://opencsv.sourceforge.net/</a></li> <li>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>)</li> </ul>
Oracle JDBC Driver	<ul style="list-style-type: none"> <li>Homepage: <a href="http://www.oracle.com">http://www.oracle.com</a></li> <li>License: OTN (<a href="http://www.oracle.com/technetwork/licenses/distribution-license-152002.html">http://www.oracle.com/technetwork/licenses/distribution-license-152002.html</a>)</li> </ul>

Library	Royalty-Free Images
org.eclipse.datatools	<ul style="list-style-type: none"> <li>Homepage: <a href="http://www.eclipse.org">www.eclipse.org</a></li> </ul>
asp.net_commercial_free2	<ul style="list-style-type: none"> <li>Homepage: <a href="http://www.asp.net">www.asp.net</a></li> </ul>
fugue-icons-3.2.3-src	<ul style="list-style-type: none"> <li>Homepage: <a href="http://code.google.com/p/fugue-icons-src/">http://code.google.com/p/fugue-icons-src/</a></li> </ul>

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## 2.4 Packages

JRE	Archive Name
Sun or IBM Java 5 or higher	MigrationCenter7.2.zip MigrationCenter7.2.tar.gz

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## 2.5 Downloads

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### 2.5.1 Location

- Packages
  - <http://support.altibase.com/kr/product>
- Manual
  - <http://support.altibase.com/kr/manual>

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### 2.5.2 Installation

*Please refer to the Migration Center User's Manual.*