

# **ALTIBASE Migration Center 6.11 Release Notes**

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# 1. Abstract

## 1.1 System Requirements

### Minimum Hardware: GUI Mode

- 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

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

## 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; thus, it relies on the Java Runtime Environment (JRE), instead of the client's hardware or operating system. In order to run Migration Center in GUI mode, however, additional support of the operating system's graphic library is required.

## 2. Release Information

### 2.1 ALTIBASE Migration Center 6.11

Migration Center is a database migration tool that either directly or indirectly copies generally compatible database objects and data from other databases to Altibase databases (ALTIBASE HDB and ALTIBASE HDB DA Edition). Most databases comply with international standards, but no database is exempt from manual database migration. Typically, 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.

#### 2.1.1 New Features

- **Enhanced conversion from Oracle PL/SQL statements to ALTIBASE PSM.**
- **[ALTIBASE to ALTIBASE]**
  - Supports VARBYTE data type migration.
  - Supports auto increment column migration.
- **[MS-SQL to ALTIBASE]**
  - Supports auto increment column migration.
- **[Informix to ALTIBASE]**
  - Supports auto increment column migration.

## 2.1.2 Bug-Fixes

PK	SYNOPSIS
BUG-38940	Need to set English as default locale
BUG-39556	Need to support PROJ-2210 Auto increment column in Migration Center
BUG-41085	Need to support a new data type, VARBYTE
BUG-41535	Unable to execute data validation with Use Double-quoted Identifier
BUG-41536	Unable to execute DB to File with Use Double-quoted Identifier
BUG-38385	'RULE-20029 DB Keyword' converts tokens that are ALTIBASE reserved words but are not identifiers
BUG-40747	[O2A] Need to convert UTL_FILE.FILE_TYPE into FILE_TYPE at SQL Converter
BUG-40875	The message referring to the third-party library should be modified
BUG-40904	No PSM data types in reconcile step are displayed at Linux OS
BUG-41080	Need to add a progress bar in PSM Converter UI
BUG-41081	Need to add UI to support options in PSM Converter
BUG-41082	Need to support a summary page in PSM Converter
BUG-41084	Need to record rule application failure in the report file
BUG-41102	Need to support a new datatype, VARBYTE, in PSM converter
BUG-41165	Need to change the default mapping data type of PLS_INTEGER and BINARY_INTEGER from INT to BIGINT
BUG-41204	Need to record rule application failure in PSM converter
BUG-41303	Need to notify parsing failure to UI and the summary report file
BUG-41337	Need to modify the ALTIBASE version range detecting the function NUMTODSIINTERVAL
BUG-41513	Need to support PRAGMA EXCEPTION_INIT

## 2.2 Changes

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

### 2.2.1 Version Update

#### Migration Center Version

ALTIBASE Migration Center Version
6.11

### 2.2.2 Compatibility

#### Database Compatibility

##### Source Database

- ALTIBASE HDB : ALTIBASE HDB 4.3.9 or above
- ALTIBASE HDB DA : ALTIBASE HDB DA 6.5.1.0.0 or above
- ORACLE : Oracle 9i ~ 11g
- MS-SQL : MS-SQL 2005 ~ 2012
- MySQL : MySQL 5.0 ~ 5.5
- Informix : Informix 11.50

##### Destination Database

- ALTIBASE HDB : ALTIBASE HDB 5.5.1 or above
- ALTIBASE HDB DA : ALTIBASE HDB DA 6.5.1.0.0 or above

### 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 text file format together with Migration Center.

Library	Open Source License
Apache Commons Codec	<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 Mathematics	<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	<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> )
opencsv	Homepage: <a href="http://opencsv.sourceforge.net/">http://opencsv.sourceforge.net/</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> )
JGraphT	<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> )
JDOM	<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> )
Log4j	<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> )
Oracle JDBC Driver	<a href="http://www.oracle.com">http://www.oracle.com</a> License: OTN Development and Distribution License ( <a href="http://www.oracle.com/technetwork/licenses/distribution-license-152002.html">http://www.oracle.com/technetwork/licenses/distribution-license-152002.html</a> )
Java Help System	<a href="http://javahelp.java.net/">http://javahelp.java.net/</a> License: GPL Version 2 with the class path exception ( <a href="http://en.wikipedia.org/wiki/GPL_linking_exception">http://en.wikipedia.org/wiki/GPL_linking_exception</a> )
juniversalchardet	<a href="http://www-archive.mozilla.org/projects/intl/UniversalCharSetDetection.html">http://www-archive.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> )

Library	Royalty-Free Images
org.eclipse.datatools	<a href="http://www.eclipse.org">http://www.eclipse.org</a>
asp.net_commercial_free2	<a href="http://www.asp.net">http://www.asp.net</a>
fugue-icons-3.2.3-src	<a href="https://github.com/yusukekamiyamane/fugue-icons">https://github.com/yusukekamiyamane/fugue-icons</a>

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## 2.4 Packages

JRE	Archive Name
Sun or IBM Java 5 or higher	MigrationCenter6.11.zip MigrationCenter6.11.tar.gz

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## 2.5 Downloads

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### 2.5.1 Location

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

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### 2.5.2 Installation

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