



# Data Exchange Documentation

Version 2.0.9

EBX5 includes:

- software developed by the Apache Software Foundation - <http://www.apache.org/>
- software developed by the JDOM Project - <http://www.jdom.org/>
- software developed by the JSON Project - <http://www.json.org/>
- the Gagawa HTML Generator - <http://code.google.com/p/gagawa/>
- the Jericho HTML Parser - <http://jericho.htmlparser.net/docs/index.html>
- the H2 Database Engine - <http://www.h2database.com/>
- Font Awesome by Dave Gandy - <http://fontawesome.io/>

# Table des matières

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## Data Exchange Documentation

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### Introduction

### User-guide

1. Data Exchange Release Notes.....	8
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# Data Exchange Documentation

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# Introduction

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# User-guide

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## CHAPTER 1

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# Data Exchange Release Notes

This chapter contains the following topics:

1. [2.0.9](#)
2. [2.0.8](#)
3. [2.0.7](#)
4. [2.0.6](#)
5. [2.0.5](#)
6. [2.0.4](#)
7. [2.0.3](#)
8. [2.0.2](#)
9. [2.0.1](#)
10. [2.0.0](#)
11. [1.3.0](#)
12. [1.2.1](#)
13. [1.2.0](#)
14. [1.1.2](#)
15. [1.1.1](#)
16. [1.1.0](#)
17. [1.0.0](#)

## 1.1 2.0.9

**Release Date:** May 6, 2015

### ***Memory usage improvements***

- The Excel import and export for Excel 2007 have been improved in order to be able to manage hundreds of thousands of records.



## 1.2 2.0.8

**Release Date: April 27, 2015**

### ***New updates***

- It is now possible to import file with the extension is in upper-case such as XLSX.

## 1.3 2.0.7

**Release Date: March 17, 2015**

### ***New updates***

- New UI option to force the import of data by making disable all triggers and constraints.
- Improve error messages in importing data.
- It is now possible to import records by ignoring mandatory foreign keys.
- It is now possible to ignore mandatory columns in the data mapping configuration.
- When a field is not mapped, the import data process is not stopped and raised a warning.

### ***Bug Fixes***

- [14491] Error messages are not written to error file in case of violating triggers or constraints.
- [14864] Import excel on dataset level has failed when a table sheet in excel file has no data to import.
- [14918] In case the option 'Download invalid data' is activated, the download error file does not contain the header in case of errors.

## 1.4 2.0.6

**Release Date: February 12, 2015**

### ***New updates***

- Add the ability to choose the first line/column of the file to import when importing an Excel file in multiple tables.

## 1.5 2.0.5

**Release Date: January 26, 2015**

### ***Bug Fixes***

- [13150] Support for ignoring the mapping of an auto increment primary key field.

## 1.6 2.0.4

**Release Date: December 8, 2014**

### ***Bug Fixes***

- [13642] File is corrupted when exporting in Excel 2007 format.

## **1.7 2.0.3**

**Release Date: December 4, 2014**

### ***Bug Fixes***

- [13580] Trailing zero are added when importing a number into a string field.
- [13484] When exporting a String column, the column in Excel is not typed as "text" but is instead "general".

## **1.8 2.0.2**

**Release Date: November 19, 2014**

### ***Bug Fixes***

- [13470] Identical labels on different columns may lead to incorrect preferences loading.

## **1.9 2.0.1**

**Release Date: October 10, 2014**

### ***New updates***

- Support for exporting enumeration in the data model as an enumeration also in Excel file.

### ***Bug Fixes***

- [12897] "An unexpected exception occurred" is shown on result screen when executing import data from an Excel file.

User has an Excel file that contains data of a data set then executes Import Excel service to import data from this file to another data set, there is a "An unexpected exception occurred" message shown on result screen.

- [12947] Scientific formatted cells are not well integrated at import if the target column has a String type.

If the value of a cell is a big number (for example 9121323656454) with a scientific format, when it is mapped into a String column, the import result will be the scientific formatted value (9,E+12) instead of the "real" value.

## **1.10 2.0.0**

**Release Date: September 12, 2014**

## ***New updates***

- **User's operations for XML import-export and data transfer**

Export and Import in XML based on a 'by default' data mapping.

Export and Import in XML based on a user-defined data mapping.

Data transfer between EBX tables relying on the same data model.

Data transfer between EBX tables relying on different data models and based on a user-defined data mapping.

- **Extended operations to manage user-defined data mapping configuration**

These operations are located in the Data Exchange's configuration data set. They are used by IT specialists to create and maintain user-defined data mapping configurations between source and target applications. These configurations allow end-users to import, export and transfer data.

Creation of the application portfolio for XML and EBX types.

From an EBX type application, automatic generation of the Tables, Fields, Object Classes and Properties declaration.

From an XML type application, automatic generation of the Tables and Fields declaration with XML paths (based on an XML sample that is provided as input parameter of the operation).

Automatic detection of any misaligned items between a data mapping configuration and its underlying EBX application.

Automatic data mapping configuration between two EBX type applications sharing the same Object Class and Property items.

## **1.11 1.3.0**

**Release Date: December 16, 2013**

## ***New updates***

- Support for transforming data before the processing an export to file or a data import.
- Display a progress bar when importing data from a file into the repository or exporting data to file.
- Support for importing a non-mandatory complex foreign key with empty data.

## **1.12 1.2.1**

**Release Date: October 3, 2013**

## ***New updates***

- Support for defining and exporting a template to an Excel file.

## **1.13 1.2.0**

**Release Date: August 5, 2013**

## ***New updates***

- Beta version of **API** index<sup>API</sup>.
- The option 'Only string' has been added for specifying a delimiter that is only applied for string data types when importing or exporting CSV files.
- Support for exporting a hyperlink of data type anyURI to an Excel file.

## ***Known limitations***

This version contains the following known limitations:

- Not support for exporting a record to a CSV/Excel file in a hierarchy view.

## **1.14 1.1.2**

**Release Date: June 11, 2013**

## ***New updates***

- Support for exporting to Excel 2007 files (.xlsx).
- Support for exporting the labels of the imported file columns when using "import preferences".

## ***Bug Fixes***

- **[6938]** No header included in exports of empty tables.  
Even though the header option is selected, the add-on exports an empty spreadsheet tab for empty tables. The headers should still be exported for empty tables so that import options that take the header into account are not affected just because the table has no rows of data.
- **[6939]** Delimiters should not be required for CSV exports.  
When exporting tables to CSV, the delimiter field is required. The default character is a quotation mark. This should not be required, as it is not necessarily desirable to have a delimiter surrounding each field. By default, there should be no delimiter, as that is how built-in CSV exports work.
- **[6940]** Fields of type dateTime cannot be formatted.  
Dates can be formatted for CSV export, but fields of type dateTime cannot. Both types should have customizable formats.
- **[6941]** CSV exports add extra separator characters at the end of lines.  
When performing a CSV export of a table, each row ends with a separator character. This is not consistent with what the built-in CSV export does, where there are only separators between fields. For example, field1;field2; is currently exported instead of field1;field2.

## **1.15 1.1.1**

**Release Date: April 11, 2013**

***New updates***

- Support for inputting non-predefined date formats when importing from and exporting to CSV files.
- Support for exporting to an Excel file using the mapping information from import preferences.
- Support for saving export configurations for reuse in subsequent exports.

**1.16 1.1.0****Release Date: February 25, 2013**

In this version, the import and export features have been updated to be more user-friendly. When exporting the labels of primary or foreign keys to Excel, it is now possible to also define a hyperlink to the underlying record. The export of multiple tables to an Excel file and the import of multiple sheets from an Excel file are now supported.

***New updates***

- Export of the labels of primary or foreign keys to Excel and CSV files.
- Export of permalinks for primary or foreign keys to Excel files.
- Support for export of multiple tables to an Excel file.
- Support for the import of multiple sheets from an Excel file.
- Support for generating a CSV/ Excel file that contains records with errors during import of CSV/ Excel files. The user can download this file at the end of the import.
- When exporting, the labelling of foreign keys has been enhanced.
- Fix for the former limitation:

*When exporting an empty table or importing a file with a simulation error and not selecting the option 'Import only valid records', the waiting animation is not displayed properly.*

**1.17 1.0.0****Release Date: October 31, 2012*****Known limitations***

This version contains the following known limitations:

- When two columns have the same name and have same type of validation error, only the first invalid column is included in the validation report message.
- When exporting an empty table or importing a file with a simulation error and not selecting the option 'Import only valid records', the waiting animation is not displayed properly.
- The user interface has the same known browser limitations as EBX5.

See the section **Administration Guide > Installation & configuration > Supported environments > Browsing environments** in the main EBX5 documentation for more information.

