

DataTableEx Editor Software Manual

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1. Introduction



Figure 1 Introduction Main Window

The DataTableEx Editor was built to help with creating Row/Column database type xml files. There are functions built into this tool for creating, editing, saving, importing, etc... This is a windows application capable of running on Microsoft Windows XP and Windows 7 32 and 64 bit computers.

2. System Requirements

Microsoft Windows XP, Microsoft Windows 7 32 bit, Microsoft Windows 7 64 Bit

Microsoft .NET Framework 4.0

Adobe Acrobat Reader for help files

1meg of hard drive space

No RAM system requirements. If your computer is capable of running the above listed windows requirements then it will be capable of running this application.

3. Installation

To install the DataTableEx Editor run the supplied Setup.exe file. This will handle all required installation routines. The application will install into the

“c:\Program Files (x86)\BA Applications\DataTableEx\” folder.

4. Running DataTableEx Editor

Once the application has been installed it can be run by double clicking the shortcut generated on the desktop or start menu. If a shortcut has not been created the DataTableEx.exe file can be run directly from windows explorer. DataTableEx.exe can be found in the “c:\Program Files (x86)\BA Applications\DataTableEx\” folder.

The DataTableEx Editor application can work with one DataTableEx at a time. If it is desired to load more than one DataTableEx at a time you may run the application multiple times.

5. Main Window

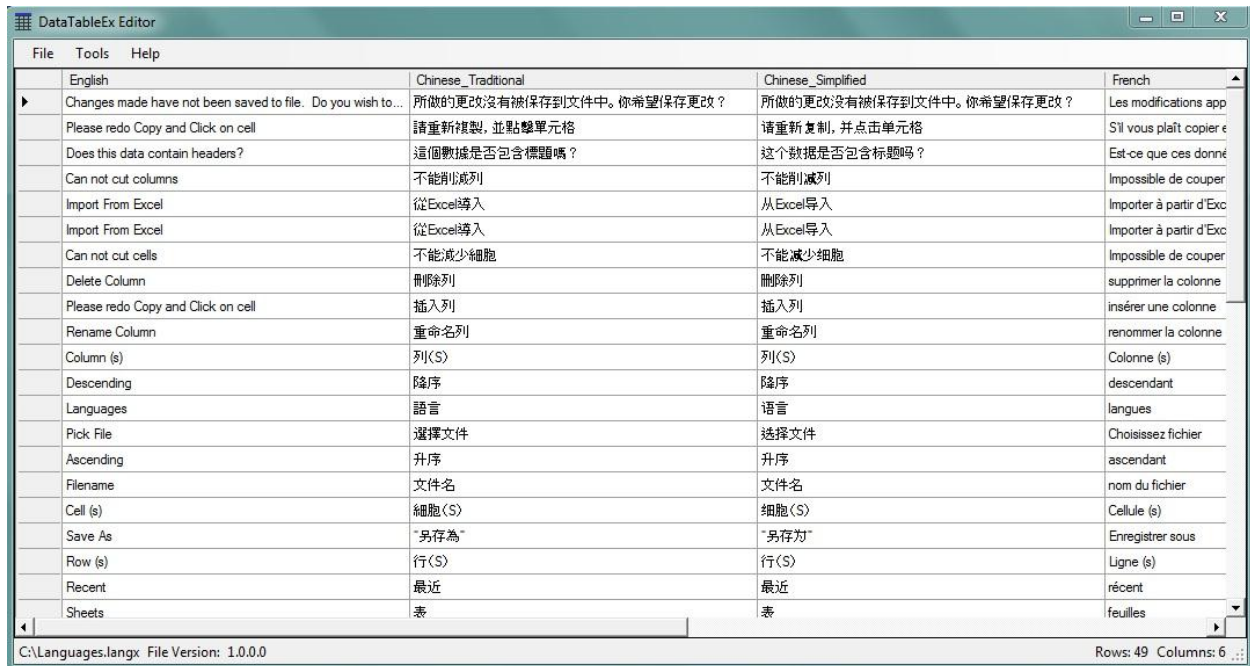


Figure 2 Main Window

Once the application has started there is one main window that will appear for working with one DataTableEx at a time. This window contains a title bar, main menu, database view table, and a status bar.

5.1. Title Bar

The title bar is the topmost region of the main window that shows the name of the application icon, application title, and the window control buttons.

5.1.1. Window Control Buttons

The window control buttons are the buttons located at the top right most region of the main window. These buttons allow the user to minimize, maximize, and close the main window. If the x is clicked to close the window and pending database changes need to be saved the user will be prompted if they wish to save.

5.2. Main Menu Bar

The Main Menu bar is located just below the Title Bar. These are the main menu used to activate various functions of the program. These functions are described below.

5.2.1. File Menu

- Open: Displays an File Open Dialog to allow the user to select and XML file to open.
- New: Allows the user to create a New XML file.
- Close: Closes the currently open file if one is open.
- Save: Will save any pending changes to the currently open file.

- Save As: Will save the currently open file to a new file. A “Save As” file dialog will appear to allow the user to pick a file to save as.
- Languages: Allows the user to change the language of this application.
- Recent: This is a list of the most recently opened files. Clicking one of these menu items will open that file.
- Exit: Exits the application.

5.2.2. Tools Menu

- Import From Excel: This menu item will display the “Excel Data Import window”. For information on this window see the chapter of this document pertaining to that window.

5.2.3. Help Menu

- Help: Displays this help document.
- About: Clicking this menu item will display a dialog of information regarding this application. Developer, application version, etc...

5.3.Database Table

The database table is the large grid area just below the main menu. This is the region where the currently loaded DataTableEx will be show. This is an editable table that will be loaded and saved from or to the DataTableEx files. Rows can be added and removed along with columns. Data can be pasted directly into this grid. All of the data table functions can be activated by using the context menu or the row column bars at the top or left side of the data table.

5.3.1. Append Empty Row

To append a row to the active data table click the bottom most empty row in the grid and begin editing one of the cells. This will automatically append a row.

5.3.2. Insert Row

See “Insert Empty Row” and “Insert Copied Row (s)” sections in the “Row Context Menu” section below.

5.3.3. Move Row

See “Move Row (s) Up” and “Move Row (s) Down” sections in the “Row Context Menu” section below.

5.3.4. Delete Row

See “Delete Row (s)” section in the “Row Context Menu” section below.

5.3.5. Context Menu Rows

To activate the Context Menu right click the data grid with the mouse. This will pop up the context menu giving you a list of functions you can perform.

- Copy Row (s): Selecting this menu item will copy the currently selected row (s) into memory.
- Cut Row (s): This menu item will copy the selected row (s) into memory and then will remove them from the table.
- Insert Empty Row: Inserts an empty row at the selected location.
- Insert Copied Row (s): If a row or rows are currently cut or copied into memory this menu item will insert them above the currently selected row.
- Delete Row (s): Deletes the current selected row (s).
- Move Row (s) Up: Moves the current selected row (s) up one row.
- Move Row (s) Down: Moves the current selected row (s) down one row.

5.3.6. Context Menu Columns

To activate the Context Menu right click the data grid with the mouse. This will pop up the context menu giving you a list of functions you can perform.

- Copy Column: Copies the current column into memory.
- Insert Column: Inserts a column at the currently selected column.
- Rename Column: Displays a dialog to allow you to rename the column.
- Delete Column: Deletes the current column.
- Sort Ascending: Sorts all columns based on this column in ascending order.
- Sort Descending: Sorts all columns based on this column in descending order.

5.3.7. Context Menu Cells

To activate the Context Menu right click the data grid with the mouse. This will pop up the context menu giving you a list of functions you can perform.

- Copy: Copies the currently selected cells into memory.
- Paste: Paste will allow you to paste the current clip board to the data grid.

5.4. Status Bar

The status bar is the bar that runs along the bottom of the DataTableEx Editor Window. This status bar displays the path and name of the current file loaded into the application for editing along with the file's version number.

- Filename: Name of the currently loaded file.
- File Version: File version number of the loaded file.
- Rows: Number of data rows.
- Columns: Number of data columns.

6. Additional Windows

Additional popup windows are incorporated into this application to display different tool windows with their own functionality.

6.1.Excel Data Import Window

The Excel Data Import Window is used to import data from Microsoft Excel files. This window can be displayed by clicking the “Import From Excel” menu item under the “Tools” menu.

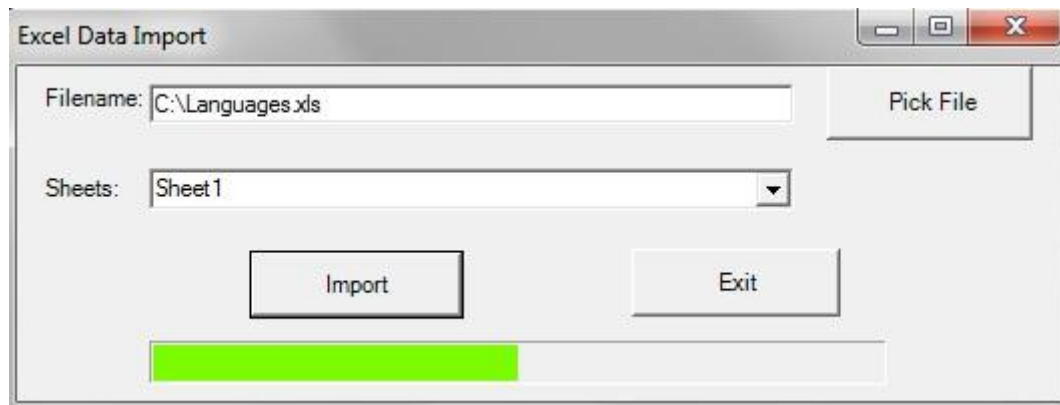


Figure 3 Excel Import Window

To import data from Excel you must click the “Pick File” button to select a file. This will bring up the select file dialog which will allow you to select your excel file. NOTE: Excel must be installed on your computer for the Excel Import functions to work.

Once an excel file has been selected the list of work sheets available will be displayed in the “Sheets” drop down list. Select the work sheet you wish to import then click the “Import” button. The selected sheet will now be imported into you data table. Click the “Exit” button to close this window.

7. File Types

7.1. XML - XML File Structure

The xml structure is a very simple XML structure with a single base "DocumentElement" element followed by the individual "Record" elements.

The record elements represent a row in a database and the child elements of all record elements represent the individual columns.

NOTE: It is important to maintain the encoding="utf-8" encoding.

7.1.1. Sample XML File

```
<?xml version="1.0" encoding="utf-8"?>
<DocumentElement>
  <Record>
    <English>DataTableEx Editor</English>
    <Chinese_Traditional>XML 數據庫工具</Chinese_Traditional>
    <Chinese_Simplified>XML 数据库工具</Chinese_Simplified>
    <French>Outil de base de données XML</French>
    <Spanish>Herramienta de base de datos XML</Spanish>
    <Portuguese>Ferramenta de banco de dados XML</Portuguese>
  </Record>
  <Record>
    <English>Open</English>
    <Chinese_Traditional>打開</Chinese_Traditional>
    <Chinese_Simplified>打开</Chinese_Simplified>
    <French>ouvert</French>
    <Spanish>Abierto</Spanish>
    <Portuguese>Abrir</Portuguese>
  </Record>
  <Record>
    <English>File</English>
    <Chinese_Traditional>文件</Chinese_Traditional>
    <Chinese_Simplified>文件</Chinese_Simplified>
    <French>Dossier</French>
    <Spanish>Expediente</Spanish>
    <Portuguese>Arquivo</Portuguese>
  </Record>
  <Record>
    <English>New</English>
    <Chinese_Traditional>新</Chinese_Traditional>
```

<Chinese_Simplified>新</Chinese_Simplified>
<French>Douveau</French>
<Spanish>Nuevo</Spanish>
<Portuguese>Novo</Portuguese>
</Record>
</DocumentElement>

7.2. XMLX - Compressed XML documents

It is possible to save the XML files in a specialized compressed format. This compressed XML file has the extension XMLX. This is meant to keep the users of your xml files from editing them from outside of the DataTableEx Editor. To save files as XMLX files just select this file type from the Open or Save dialog when opening or saving your file.

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