



XLanguage V2.4

Additions/Changes to XLanguage V2.4 compared to V2.3/V2.2

Solution Partner

PLM

SIEMENS

Velocity Series

Additions/Changes to XLanguage V2.4 compared to V2.3

- Support for Solid Edge ST4
 - Versions of XLanguage lower to V2.4 failed to place text boxes. While V2.4 is still backward compatible with older versions of Solid Edge.
- Improved 'Show border' behaviour
 - Enabling 'Show border' doesn't anymore each time recompute the needed maximum boundary of each XLanguage's text box, but just displays the actual text box borders. In order to be able to force recomputing of all boundaries just hold the **Shift-key** pressed while clicking to enable 'Show borders'.
- Keeping the text justification formatting of a text box when translating
 - Additional to the font and text size setting of a text box, now also the setting for its text justification is preserved.

Additions/Changes to XLanguage V2.3 compared to V2.2

- Optional Microsoft SQL Server Support for the database
 - As an alternative to a shared MDB database file now a Microsoft SQL Server based database may be used by XLanguage.
- Now based on .NET 4.0, allowing
 - the Solid Edge COM-Interop DLLs being embedded into the executable file.
 - to use XLanguage from a network share without requiring anymore prior changes to the .NET Code Access Security Policies of each client PC.

Installation/Uninstallation

Use the so called xcopy method to install XLanguage: Just copy the folder containing XLanguage and its components to i.e. "C:\Program Files" onto each computer.

If you „install“ to a network share it is no longer required to configure each computer's code access security policy (CAS policy) since .NET 4.0 by default now full trusts execution of .NET executables from within the intranet.

To uninstall XLanguage just remove the folder containing XLanguage from the system.

Requirements

XLanguage is verified to run on the configurations below. Updates to this list can be found in the online documentation on: <http://www.wksyspro.de/en/support/support.html>

Attention: XLanguage V2.4 requires at least the .NET 4.0 client profile being installed!

System/Application	Solid Edge V20 32/64-Bit	Solid Edge ST-ST4 32/64-Bit
Windows XP 32/64-Bit	√	√
Windows Vista 32/64-Bit	√	√
Windows 7 32/64-Bit	√*	√

* Solid Edge is not officially released for this version of Windows.

Same applies to the Windows Server versions : 2003, 2003/R2, 2008 and 2008/R2

Configuration

Some configuration of XLanguage can be done by editing the file "XLanguage.ini". The table below shows the contents of the configuration file along with the comments describing the meaning of the entries. In order since V2.3 to additionally support Microsoft SQL Server as database server there were some minor changes regarding the database access. XLanguage V2.3 and higher implemented a provider independant database access which allows to specify the provider to be used via the configuration. By specifying the so called .NET database provider invariant name and the corresponding provider specific .NET database connection string you are free to use any database supported by .NET.

The configuration file contains 2 preconfigured pairs of provider invariant name and connection string. One pair configured for usage of a MDB file based database and the other one configured for usage of a Microsoft SQL Server based database.

[Options]
Options section
<Required>: Pair of .NET Database provider invariant name and connection string.
Sample entries for Microsoft Access 2003 MDB database file
DbProviderInvariantName="System.Data.OleDb"
DbConnection="Provider=Microsoft.Jet.OLEDB.4.0; Data Source= DataDirectory \XLanguage.mdb"
Sample entries for Microsoft SQL Server
;DbProviderInvariantName="System.Data.SqlClient"
;DbConnection="Data Source=P5Q\SQLEXPRESS;Initial Catalog=XLanguageSQL;Integrated Security=True"
<Required>: (Unicode) font name used by the GUI, Solid Edge and the Access Database.
Caution: Case sensitive!
Font=Arial Unicode MS
;Font=Solid Edge ISO
<Required>: GUI Font size in points.
Decimals must match your Windows region settings for numbers.
;GuiFontSize=8,25
GuiFontSize=8.25
<Required>: Legacy option to precede each text block with its text block ID enclosed by []
(0=No, 1=Yes).
ShowTextBlockID=0
<Required>: Legacy option to scan the text of a textbox/callout for its text block ID (0=No, 1=Yes).
This option is required only to process text blocks produced by the
program 'SeTextBlock' of version V1.0.0.161 or earlier.
ScanTextForTextBlockID=0
<Required>: Name of the dynamic attribute set assigned to XLanguage textboxes.
Caution: Case sensitive!
AttributeSetName=SeTextBlock

<Required>: Name of the attribute storing the text block ID of an XLanguage textbox/callout.
Caution: Case sensitive!
AttributeName=ID
<Required>: Option to enhance standard textboxes/callouts by XLanguage text block attributes (0=No, 1=Yes).
Enhancement of a textbox/callout happens only, if its text exactly matches an existing text block
(not case sensitive, any language)in the XLanguage database.
Its text size keeps unchanged, its font is set to the font defined above and in case of a textbox
its maximum boundary gets recomputed to fit all current languages.
Caution: Setting this option may slow down the speed of processing depending on the
number of standard textboxes/callouts to scan against all text blocks in the database!
As result of changing the font of a textbox/callout, its width might increase also.
EnhanceStdTextBoxes=0
<Optional>: Default language for the graphical user interface (GUI).
Caution: Case sensitive!
GUILanguage=German
<Optional>: Default language to translate text blocks to
Caution: Case sensitive!
TextBlockLanguage=English
<Optional>: Option to show GUI buttons under Windows XP in XP visual style (0=No, 1=Yes).
If 'No', flat popup style will be used (recommended for Windows 2000 or classic style).
XPButtonStyle=1

Please refer to the standard Microsoft .NET documentation on all available options of the connection string formats depending on the database provider chosen.

Appendix

If you intend to change XLanguage from using a shared MDB database file to a Microsoft SQL Server based database you may migrate from a copy of your existing MDB database file easily to a SQL Server database by opening the MDB file in the Microsoft Access application and select from the menu *Database Tools* to transfer all tables of the current database to a new SQL Server database on your SQL Server.

Next set the values of *DbProviderInvariantName* and *DbConnection* in the XLanguage configuration file accordingly. The access to the SQL Server database is fully controlled by the available options for the connection string. So you may either use Integrated Security or SQL Server login. Inside SQL Server map the Integrated Security logins or explicit SQL Server logins to the XLanguage database and make them member of the database role *db_datareader*.