

Essential XlsIO

A high-performance scalable component
for the creation and manipulation of Microsoft Excel files



Easily read and write Microsoft Excel files using Syncfusion Essential XlsIO library. Essential XlsIO features a full-fledged object model comparable to the Microsoft Office COM libraries that can be used for manipulating Excel files (BIFF8 format, supported by all versions of Microsoft Excel from Office 97 forward). This product is built from scratch in 100% C#, making it free from the constraints of the COM interop. Developers and users will enjoy the freedom that Essential XlsIO provides; with no restrictive dependency on Microsoft Excel itself, this product can be used on systems that do not have Excel installed. This makes it an excellent reporting engine for tabular data.

Essential XlsIO is available as a stand-alone product or as part of the Syncfusion Essential Studio package.

Features

Full-fledged Excel reporting

Essential XlsIO allows for reports to be created from scratch or by using templates. Virtually all Microsoft Excel formatting is supported by this product. There is also advanced support for reading and writing formulas and for the manipulation of worksheets.

Optimized for server use

Microsoft's COM-based implementation libraries have restrictions that many find to be severe when accessing and creating Excel files in a server environment. In contrast, Essential XlsIO is a pure .NET solution that is optimized especially for use within a server environment. The shortcomings of COM-based implementation libraries are documented in Microsoft's article, "Considerations for Server-Side Automation of Office," which can be found at <http://support.microsoft.com/?id=257757>. The article also highlights Syncfusion's solution.

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No Microsoft Office dependency

Essential XlsIO is not constrained by a dependency on Microsoft Office. When using Essential XlsIO to create or read Microsoft Excel files there is no need to have Microsoft Excel installed.

Easy API transitioning

Essential XlsIO can be used in Windows Forms and ASP.NET applications. It is simple to transition from another API because Essential XlsIO's API is similar to the Microsoft COM automation API for Excel files.



Sophisticated Microsoft Excel reporting for business applications

Essential XlsIO Features

Implementation

Read / Write	Read and write Microsoft Excel files
Versions	Read and write all versions of Microsoft Excel since Office 97
Object model	Full-fledged object model comparable to Microsoft Office Excel automation model
100% Managed code	Built from scratch in C# and does not use COM interop
No dependency on MS Excel	Library has no dependency on Microsoft Excel and can be used on systems without it

Spreadsheet creation

Multiple worksheets	Create a workbook with multiple worksheets
Templates	Create workbooks from templates (or existing workbooks)
Text formatting	Set or change the color, type, size, and style of font in a cell
Number formats	Display fractions, percentage, currency, and date formats in a cell
Shading cells	Shade cells with solid colors or patterns
Merge / Unmerge cells	Merge / unmerge cells
Group / Ungroup cells	Group / ungroup rows and columns
Styles	Apply complex formatting using styles
Named ranges	Create / manipulate named ranges
Formula support	Use predefined Microsoft Excel functions and custom formulas
Modify spreadsheets	Read and modify existing spreadsheets

Advanced Features

Charts	Create charts using provided API
Autofilters	Insert autofilters using provided API
Worksheet protection	Lock / unlock spreadsheets with passwords
Pictures	Insert pictures into spreadsheets
Streams	Open spreadsheets from streams and save them back to streams
Macro support	Read macros and preserve them upon re-saving
Pivot tables	Pivot tables in template spreadsheets are preserved during re-saving
Conditional formatting	Apply conditional formatting
Hyperlinks	Insert hyperlinks using provided API
Data validation	Apply data validation
Rich text	Insert rich text into cells
Comments	Insert cell comments

ASP.NET support

Stream to browser	Stream created spreadsheets to browser clients
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System requirements: Microsoft .NET framework 1.0 or later



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