

# Change Log



The *OfficeWriter Change Log* lists the new features and bug fixes in every supported minor and major build of the product. Current supported builds are *v11.0.0 - v12.0.0*

OfficeWriter includes several components that are developed on separately, so features and fixes are listed by component:

- ExcelWriter - *.NET API*
- WordWriter - *.NET API*
- PowerPointWriter - *.NET API*
- Reporting Services - *SSRS Integration, including the OfficeWriter Designer and Renderers for Excel and Word*
- Installer - *Components not related to the functionality of the product, including the installer and license key manager.*

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## OfficeWriter 12.x

### Releases

- [OfficeWriter 12.0.0](#)

## OfficeWriter 12.0.0

### Excel Writer

#### ***New Features***

- Ability to password protect exported PDFs
- Improved encryption
- Ability to display blanks on a chart
- Ability to duplicate column names in a pivot table

#### ***Bug Fixes***

- Fix for center across selection cells
- Fix for unmerging cells
- Improved support for table formulas
- Fix for VML color names followed by number

### Power Point Writer

#### ***New Features***

- Ability to replace a hyperlink in PowerPointTemplate

#### ***Bug Fixes***

- Fix for multiple passes of slide copies

# OfficeWriter 11.x

## Releases:

- [OfficeWriter 11.0.0](#)

## OfficeWriter 11.0.0

### WordWriter

#### New Features

- Ability to open, edit, and save .docx files with WordApplication

### PowerPointWriter

#### New Features

- Ability to iterate through the tables on a slide and get the cells within a table
- Ability to set the style on table cells within a slide, including background color and font
- Ability to get the contents of table cells

### ExcelWriter

#### New Features

*All new features are implemented for XLSX/XLSM files only unless otherwise indicated.*

- Support for Unicode character encodings when rendering workbooks to PDF
- Support for Print Titles when rendering workbooks to PDF

#### Bug Fixes

- Fix for PrintAreas not taking effect when rendering to PDF in certain situations
- Fix for issue where setting the style on a cell could affect the style on the entire column
- Ability to correctly read and save files with conditional formats in pivot tables
- Fix for reading and parsing of formulas using named ranges that point to other worksheets
- Fix to support conditional formats that apply to multiple areas
- Fix to correctly read and preserve Office 2013 chart types with certain types of data lables

## Reporting Services Integration

#### New Features

- Support for SQL Server Reporting Services 2016

# OfficeWriter 10.x

## Releases:

- [OfficeWriter 10.1.2](#)
- [OfficeWriter 10.1](#)
- [OfficeWriter 10.0](#)

# OfficeWriter 10.1.2

## Reporting Services Integration

### Bug Fix

- Fix issue where The Designer .NET would display error "There was an error opening this RDL file. It may not be valid" when opening some RDLs with a 2016 file format.

# OfficeWriter 10.1

## ExcelWriter

### New Features

*All new features are implemented for XLSX/XLSM files only unless otherwise indicated.*

- Large performance enhancements
- Improved rendering of datapoint interiors
- Improved datetime format support when rendering
- Improved rendering of data labels as percent
- Improved support of rendering legend entries

### Bug Fixes

- Fix for duplicated named styles
- Fix rendering for text being clipped of when text alignment is right

## PowerPointWriter

### Bug Fixes

- Fix for PowerPointTemplate and repeat slide
- Fix for PowerPointTemplate and null values in data sets
- Fix for PowerPointTemplate and images being cached incorrectly
- Fix for PowerPointTemplate improved support for master slides and layouts
- Fix for PowerPointTemplate and invalid characters

## WordWriter

### Bug Fixes

- Allowing repeat blocks to be inside of if fields when updating+unlinking the if field.

# Reporting Services Integration

### New Features

- Support for SQL Services Reporting Services 2016

# OfficeWriter 10.0

## ExcelWriter

### New Features

*All new features are implemented for XLSX/XLSM files only unless otherwise indicated.*

- Ability to save an area to a PDF file
- Ability to save a worksheet or workbook to a PDF file
- Conditional formats are rendered when saving to an image or PDF

- Comments are rendered when saving to an image or PDF
- Tables are rendered when saving to an image or PDF
- Some basic shapes are rendered when saving to an image or PDF
- Additional formulas supported in the calculation engine (see [Calculation Engine Supported Formulas](#))
- Support for arrays when calculating formulas

#### Bug Fixes

- Fix for data validation formula was not correctly updated
- Fix for invalid Unicode characters not being properly escaped in comments
- Fix for formula parser where it would throw exception on conditional formats
- Fix for array formulas on data marker rows in Excel Template would not update correctly
- Fix for series vary by colors not being correctly set in all versions of Excel
- Fix for external references were not always working in ExcelTemplate
- Fix for title overlay not always working in Excel 2013
- Fix for calling multiple deletes on worksheets where styles span the whole worksheet
- Fix for default row and height not always being preserved
- Fix for merged cell borders not always being preserved
- Fix for reading files with small alpha values
- Better support for preserving existing equations

## PowerPointWriter

#### Bug Fixes

- Fix for PowerPointTemplate throwing exception in multi-threaded environments.

## WordWriter

#### Bug Fixes

- Better support for 3 of 9 barcode and Calibri fonts in .doc files
- Fix for concurrency issue in a multi-threaded environment.

## Reporting Services Integration

#### New Features

- The Designer .NET supports adding, editing, and inserting Reporting Services formulas into reports
- The Excel Designer .NET supports creating and editing database queries through MSQuery
- It is now possible to create a new report from scratch from the Excel Designer .NET, in addition to importing existing reports

## OfficeWriter 9.x

#### Releases:

- [OfficeWriter 9.1](#)
- [OfficeWriter 9.0](#)

Below are a list of added features and bug fixes that are incorporated for each minor build of OfficeWriter 9.x

## OfficeWriter 9.1

### ExcelWriter

#### New Features

*All new features are implemented for XLSX/XLSM files only unless otherwise indicated.*

- Ability to implement custom / non-implemented calculation engine formulas (see [WB.RegisterCustomFunction](#))
- New calculation engine formulas (see [Calculation Engine Supported Formulas](#))

- Ability to calculate formulas in an area (see [Area.CalculateFormulas](#))
- Ability to remove formulas from a workbook or worksheet (see [Workbook.RemoveFormulas](#) or [Worksheet.RemoveFormulas](#))
- Ability to sort areas (see [Area.Sort](#))
- Ability to save an image of an area (see [Area.SaveImage](#))
- Ability to save an image of a chart (see [Chart.SaveImage](#))
- Ability to specify the layout of a Pivot Table (see [PivotTable.PivotTableLayout](#))

#### Enhancements

*All enhancements are implemented for XLSX/XLSM files only unless otherwise indicated.*

- Large speed and memory performance enhancements for [Worksheets.CopySheet](#)

#### Bug Fixes

- Issue when reading/writing certain PageSetup object properties resolved.

## PowerPointWriter

- *No changes were made to PowerPointWriter in 9.1*

## WordWriter

#### New Features

*No changes were made to WordWriter in 9.1*

## Reporting Services Integration

#### New Features

- The Word Designer .NET has been released
- A large number of ExcelTemplate and WordTemplate properties now are available in Reporting Services (see [Setting Global ExcelTemplate and WordTemplate Properties in Reporting Services](#)).
- Ability to use the calculation engine for SSRS (see [Activating Post-Processing ExcelApplication Features in SSRS](#)).

## Installer

- The OfficeWriter installer no longer removes V8 License keys when installing OfficeWriter 9.
- The OfficeWriter installer no longer automatically installs the OfficeWriter Designer. Please install the OfficeWriter Designer .NET separately.

## OfficeWriter 9.0

## ExcelWriter

#### New Features

- *Calculation Engine for ExcelApplication (see [Calculation Engine Supported Formulas](#))*

## PowerPointWriter

#### New Features

- Template Object (see [PowerPointTemplate API](#))
- Application Object: Copy Slide, Delete Slide, Align Images, Document Properties

## WordWriter

## New Features

- Add missing outer HTML tags to HTML documents used with the document modifier

## Reporting Services Integration

*No changes were made to Reporting Services Integration in 9.0.0*

## Installer

### New Features

- Handles multiple license keys
- Automatically selects components to install based on license keys

## OfficeWriter 8.x

### Releases:

- [OfficeWriter 8.6.2](#)
- [OfficeWriter 8.6.1](#)
- [OfficeWriter 8.6.0](#)
- [OfficeWriter 8.5.1](#)
- [OfficeWriter 8.5.0](#)
- [OfficeWriter 8.4.0](#)
- [OfficeWriter 8.3.0](#)
- [OfficeWriter 8.2.1](#)
- [OfficeWriter 8.2.0](#)
- [OfficeWriter 8.1.2](#)
- [OfficeWriter 8.1.1](#)
- [OfficeWriter 8.1.0](#)
- [OfficeWriter 8.0.0](#)

Below are a list of added features and bug fixes that are incorporated for each minor build of OfficeWriter 8.x

## OfficeWriter 8.6.2

## ExcelWriter

*No changes were made to ExcelWriter in 8.6.2*

## WordWriter

### New Features

*All new features are implemented for WordTemplate DOCX/DOCX only unless otherwise indicated.*

- Ability to ignore certain merge fields when processing with WordTemplate

## Reporting Services Integration

*No changes were made to Reporting Services Integration in 8.6.2*

## Installer

## Issues Resolved

- Installer fails on certain environments with SharePoint 2010 and SSRS 2008 R2 in integrated mode

# OfficeWriter 8.6.1

## ExcelWriter

### New Features

*All new features are implemented for XLSX/XLSM files only unless otherwise indicated.*

- Ability to set [worksheet protection properties](#) in ExcelApplication
- Ability to create [pivot tables from multiple areas](#) in ExcelApplication
- Ability to [bind lists of custom objects](#) with IEnumerable<T> in ExcelTemplate

### Issues Resolved

*All issues are resolved in ExcelApplication for XLSX/XLSM files only unless otherwise indicated.*

- Custom pivot table styles were corrupted after opening and saving the file
- Minor chart tick line position and visibility were set incorrectly
- Copying and deleting a worksheet with custom print properties caused corrupt output
- ExcelWriter threw Invalid ST\_PatternType error on save
- Importing large 0 values with ImportData caused corrupt output
- Setting ShowEquation and ShowRSquaredValue had no effect (XLS files only)

## WordWriter

### New Features

*All new features are implemented for WordTemplate DOCX/DOCX only unless otherwise indicated.*

- [Insert images](#) using file path name instead of byte array
- Ability to insert hard paragraphs when line breaks appear in data with [LineBreaksToParagraphs](#)

### Issues Resolved

*All issues are resolved in WordTemplate DOCX/DOCX only unless otherwise indicated.*

- WordWriter threw invalid hexadecimal character error on machines with multi-core CPUs

# Reporting Services Integration

### Issues Resolved

- ImportTemplate button not disabled in report view in Excel and Word Designers
- Word designer hangs when viewing reports with long parameter names, long report names, or are stored in deeply nested report server directories

## Installer

### Issues Resolved

- Unable to install OfficeWriter 8.5.1 or 8.6.0.

# OfficeWriter 8.6.0

Release September 25, 2013

## ExcelWriter

### New Features

*All new features are implemented for XLSX/XLSM files only unless otherwise indicated.*

- Enhanced performance for opening files with extensive formulas in ExcelApplication
- ExcelApplication [PivotTable](#) API supports [classic layout](#)
- Sparkline support for ExcelTemplate
  - Sparklines that point to data markers are updated
  - Sparklines in data marker rows are copied for each new row

### Issues Resolved

*All issues are resolved in ExcelApplication for XLSX/XLSM files only unless otherwise indicated.*

- Cell references in data labels for Excel 2013 files were not preserved
- ExcelWriter throws *index out of bounds* exception when setting [ColumnProperties.Width](#) to 0 if the column contains an anchor for an image
- PivotTables created from mixed case data (i.e. "Half Price" vs. "half price") produced corrupt output
- Special characters written to [Cell.Value](#) were not encoded correctly
- ExcelTemplate throws *key not present in dictionary* exception when a worksheet with data markers and a text box is deleted with [Worksheet.Delete\(String\)](#)

## WordWriter

*No changes were made to WordWriter in 8.6.0*

## Reporting Services Integration

### New Features

- New OfficeWriter Designer .NET with support for 64-bit and 32-bit Excel
- Import an existing Excel template into an RDL through the OfficeWriter Designer for Excel
- Import an existing Word template into an RDL through the OfficeWriter Designer for Word

# OfficeWriter 8.5.1

Release July 1, 2013

## ExcelWriter

### New Features

*All new features are implemented for XLSX files only unless otherwise indicated*

- ImportData() option to treat merged cells as though they aren't merged
  - Available also in XLS files
- ExcelTemplate and ExcelApplication Save() returns a generated XLSX file as a new memory stream

### Issues Resolved

*All issues are resolved in ExcelApplication for XLSX files only unless otherwise indicated*

- Accessing a character runs in merged cells caused an error when using CopyPaste
- Setting a formula on a merged area had no effect



- Image files are locked after inserting with ExcelApplication
  - Unable to modify an image after inserting with ExcelApplication
  - Unable to close a file stream for an image after inserting with ExcelApplication
- CopySheet causes output files to crash in Excel 2013
- 2013 call-out data label formatting was stripped out of files
- Convert Strings (released in 8.4) does not affect column headers
- Series.ScatterValues returns an empty string for scatter charts
- Delay the parsing of invalid shared formulas
- Sheet names that start with C or R are not wrapped in quotations when referenced in formulas
- Files bloat after copying a selection with filters and freeze panes

## WordWriter

*No changes were made to WordWriter in 8.5.1.*

## Reporting Services Integration

### New Features

- ExcelTemplate.LicenseKey and WordTemplate.LicenseKey can be set globally in web.config for SSRS
- OfficeWriter Designer for Excel can now 'View' reports with multi-valued parameters

### Issues Resolved

- OfficeWriter Designer for Word detects incorrect Word version in regions where decimal separator is a comma
- Designer installer correctly checks for required Microsoft security updates.

## Installer

### New Features

- Installer works on machines with .NET 4.0 and 4.5
- License Key manager works on machines with .NET 4.0 and 4.5
- Installer works with SSRS 2012 in SharePoint integrated mode against SharePoint 2010 and 2013

## OfficeWriter 8.5.0

*Released May 8, 2013*

## ExcelWriter

### New Features

- ExcelTemplate allows data markers in tab names of XLSX/XLSM files
- ExcelApplication support for remaining Excel 2007, 2010, and 2013 formulas:
  - Excel 2007:
    - DATESTRING, LEFTB, LENB, MIDB, NUMBERSTRING
    - IFERROR, DBCS, USDOLLAR, GETPIVOTDATA
    - EFFECT, FVSCHEDULE, INTRATE, MDURATION, NOMINAL, RECEIVED, TBILLEQ, XIRR, XNPV
    - ACCRINT, ACCRINTM, AMORDEGRC, AMORLINC, CUMIMPT, CUMPRINC, DISC, DOLLARDE, DOLLARFR, DURATION, ODDFPRICE, ODDFYIELD, ODDLPRICE, ODDLYIELD, PRICE, PRICEDISC, PRICEMAT, TBILLPRICE, TBILLYIELD, YIELD, YIELDDISC, YIELDMAT
    - COUPDAYBS, COUPDAYS, COUPDAYSNC, COUPNCD, COUPNUM, COUPPCD
    - BESSELI, BESSELJ, BESSELK, BESSELY, COMPLEX, CONVERT, DELTA, ERF, ERFI, GESTEP
    - IMABS, IMAGINARY, IMARGUMENT, IMCONJUGATE, IMCOS, IMDIV, IMEXP, IMLN, IMLOG10, IMLOG2, IMPOWER, IMPRODUCT, IMREAL, IMSIN, IMSQRT, IMSUB, IMSUM
    - BIN2DEC, BIN2HEX, BIN2OCT, DEC2BIN, DEC2HEX, DEC2OCT, HEX2BIN, HEX2DEC, HEX2OCT, OCT2BIN, OCT2DEC, OCT2HEX
    - CUBEKPIMEMBER, CUBEMEMBER, CUBEMEMBERPROPERTY, CUBERANKEDMEMBER, CUBESET, CUBSETCOUNT, CUBEVALUE
  - Excel 2010:

- NETWORKDAYS.INTL, WORKDAY.INTL
- ERF.PRECISE, ERF.C.PRECISE
- AGGREGATE, CEILING.PRECISE, FLOOR.PRECISE, ISO.CEILING
- BETA.DIST, BETA.INV, BINOM.DIST, BINOM.INV, CHISQ.DIST, CHISQ.DIST.RT, CHISQ.INV, CHISQ.INV.RT, CHISQ.TEST, CONFIDENCE.NORM, CONFIDENCE.T, COVARIANCE.P, COVARIANCE.S, F.DIST, F.DIST.RT, F.INV, F.INV.RT, F.TEST, GAMMA.DIST, GAMMA.INV, LOGNORM.DIST, LOGNORM.INV, MODE.MULT, MODE.SNGL, NORM.DIST, NORM.INV, NORM.S.DIST, NORM.S.INV, PERCENTILE.EXC, PERCENTILE.INC, PERCENTRANK.EXC, PERCENTRANK.INC, QUARTILE.EXC, QUARTILE.INC, RANK.AVG, RANK.EQ, STDEV.P, STDEV.S, VAR.P, VAR.S, T.DIST, T.DIST.2T, T.DIST.RT, T.INV, T.INV.2T, T.TEST, ECMA.CEILING, EXPON.DIST, GAMMALN.PRECISE, HYPGEOM.DIST, NEGBINOM.DIST, POISSON.DIST, WEIBULL.DIST, Z.TEST
- Excel 2013:
  - ACOT, ACOTH, ARABIC, BASE, CEILING.MATH, COMBINA, COT, COTH, CSC, CSCH, DECIMAL, FLOOR.MATH, SEC, SECH
  - BION.DIST.RANGE, GAMMA, GAUSS, PERMUTATIONA, PHI, SKEW.P
  - BITAND, BITLSHIFT, BITOR, BITRSHIFT, BITXOR, IMCOSH, IMCOT, IMCSC, IMCSCH, IMSEC, IMSECH, IMSINH, IMTAN
  - DAYS, ISOWEEKNUM
  - ENCODEURL, FILTERXML, WEBSERVICE
  - FORMULATEXT, IFNA, ISFORMULA, NUMBERTVALUE, PDURATION, RRI, SHEET, SHEETS, UNICHAR, UNICODE, XOR

## Issues Resolved

*All issues are resolved in ExcelApplication for XLSX files only unless otherwise indicated*

- CopySheet between workbooks
  - Print titles and print areas are now copied
  - Normal font is copied
  - Column widths from original workbook copied
  - Auto filters copied correctly
- Fixes to formulas
  - File with worksheet range created on workbook level throws error on open
  - Unable to parse conditional format formulas with multiple escape quotes
  - Delayed parsing of formulas from Open to only when necessary (see KB post for more information)
- Textboxes/Shapes
  - Textboxes containing formulas resulted in corrupt output
  - Textbox with Japanese type facing throws object reference exception
  - Textbox with no text is not editable after open/save
  - Shape.Text returned empty string instead of cached text
  - Setting Shape.Text on an existing text box containing a formula had no affect
  - Textboxes, images, shapes containing formulas not recognized as valid file
- FitToPagesWide did not work in XLSX files
- Deleting a column changes VBA UsedRange property to apply to entire worksheet
- XLSX files with grouped Active-X controls not recognized as valid files
- Custom page size throws error
- Category Axis and Value Axis not displaying correctly in Excel 2010
- Error processing chart with two named ranges as data source

## WordWriter

### New Features

- Document modifier now supports insert DOCX files into DOCX/DOCM files

## Reporting Services Integration

### New Features

- [RemoveExtraDataMarkers](#) available in SSRS for Excel reports
- [PreserveFields](#) and [UnlinkIfFields](#) available in SSRS for Word reports

### Issues Resolved

- OfficeWriter Designer can now install against 32-bit Office 2013

# OfficeWriter 8.4.0

Released February 12, 2013

## ExcelWriter

### New Features

- [PivotTable](#) API for OOXML files with `ExcelApplication`
  - Create PivotTables from scratch
  - Modify existing PivotTables
  - Change the data source for PivotTables copied with `Worksheets.CopySheet(Worksheet, Int32, String)`
- Support for Excel 2007 statistical formulas
  - AVERAGEIF, AVERAGEIFS, COUNTIFS, MINA
- Convert numeric strings to integers with [DataImportProperties.ConvertStrings](#) for `Worksheet.ImportData` with `ExcelApplication`

### Issues Resolved

- XLSX files with worksheets created by `CreateWorksheet()` do not open on a Blackberry
- Hyperlinks copied with `CopySheet` do not update the display name in Excel 2007
- Using `SetConditionalFormat` to copy conditional formats between workbooks corrupts the formatting
- ExcelWriter removes VBA digital signatures from XLSM files when opened with `ExcelApplication`
- ActiveX objects converted to images in XLSM files opened with `ExcelApplication`
- Certain named styles caused worksheet count to be zero
- `ExcelApplication` does not handle array formulas that contain external references in XLSX files

## WordWriter

### New Features

- Remove bookmarks from DOCX files with `WordTemplate` - [WordTemplate.BookmarksToRemove](#)
- Set built-in document properties in DOCX files with `WordTemplate` - [WordTemplate.SetDocumentProperty](#)

## Reporting Services Integration

*No changes were made the Reporting Services Integration for OfficeWriter 8.4.0.*

# OfficeWriter 8.3.0

Released November 1, 2012

## ExcelWriter

All changes are for `ExcelApplication` in XLSX files unless otherwise indicated.

### Features Added

- Ability to set [auto filters](#) programmatically
- ExcelWriter can parse the following 2007 formulas:
  - IsEven, IsOdd, FactDouble, GCD, LCM, MROUND, Multinomial, Quotient, Seriessum, sqрпи, sumifs, Edate, EoMonth, Networkdays, Weeknum, Workday, Yearfrac
- **ExcelTemplate** and **ExcelApplication**: Support for opening ExcelWriter-generated OOXML files on iPhone, iPad

### Issues Resolved

- ExcelWriter fails to add worksheets that contain formulas that it cannot parse
- Error thrown when 3D charts data source referenced a name range
- Shared VLOOKUP formula referencing named range threw exception
- `CopySheet` did not update the chart series formula
- Setting `PageSetUp` properties before calling `CopySheet` threw a Null reference exception

- Error when legacy shapes contain line breaks in text
- Error when Excel form controls contain line breaks in text
- Formulas that referenced external workbooks threw an exception
- ExcelTemplate threw "Stream does not support reading" exception when running against .NET 4.5

## WordWriter

### Features Added

- **WordTemplateTemplate** and **WordApplication**: Support for opening WordWriter-generated OOXML files on iPhone, iPad

### Issues Resolved

- WordTemplate opened in protected mode if importing no rows of data in DOC files
- WordTemplate threw "Stream does not support reading" exception when running against .NET 4.5

## Reporting Services Integration

### Issues Resolved

- SSRS 2008 R2 formulas not correctly deleted from the OfficeWriter Designer for Excel
- Designer corrupted an RDL file if the report contained more than 10 SSRS formulas

## OfficeWriter 8.2.1

*Released July 10, 2012*

## ExcelWriter

### Issues Resolved

- [SettingsLineAreaScatter.ShowDropLines](#) always read as True
- Copying worksheets that contained tables with [Worksheets.CopySheet](#) produced corrupt output
- Null reference exception thrown when modifying certain XLSX files generated by Apache POI
- "Value cannot be parsed as a number" exception thrown when trying to parse [Cell.Value](#) on a Swedish machine

## WordWriter

*No changes were made for v8.2.1*

## Reporting Services Integration

### Issues Resolved

- Designer threw "Compile error: Method or data member not found" when publishing reports to or retrieving reports from the report server

## OfficeWriter 8.2.0

*Released June 27, 2012*

## ExcelWriter

### Features Added

- [Worksheets.CopySheet](#) extended to support copying worksheets between workbooks

## Issues Resolved

### Template Object

- [ExcelTemplate.BindData](#) did not import data from a `System.Data.OleDbDataReader`

### Application Object

- Active X objects in Excel 2010 XLSM files are converted into images
- "Given key was not present" exception thrown when a list box form control is on a chart sheet
- Using a named range in a data validation causes ExcelWriter to ignore certain worksheets
- ExcelWriter generated XLSX files are set to 300 dpi by default instead of 600 dpi
- ExcelWriter is unable to read certain cell values in files generated by SSRS 2012 built in EXCEL export option
- `RowProperties.Style` and `RowProperties.ApplyStyle()` do not set the styles correctly if the cell value is written before the style is applied
- `FreezePane.ColumnNumber` returns the incorrect value
- If `RANDBETWEEN` was dragged between cells in a file, ExcelWriter throws an exception
- ExcelWriter is accessing a static dictionary in a non-thread safe manner
- ExcelWriter throws exception on certain files generated with Apache POI

## WordWriter

### Features Added

- [WordTemplate.SetMailMerge](#) now supports merge fields in the header and footer of DOCX files

## Reporting Services Integration

### Features Added

- Support for native SQL Server Reporting Services 2012
- Updated Designer copyright dates

### Issues Resolved

- Formulas in some SSRS 2008 reports disappeared after opening the report in Visual Studio

## Installer

### Features Added

- Updated End User License Agreement
- OfficeWriter Designer Installer provides useful message when trying to install against a 64-bit version of Office

### Issues Resolved

- License Key Manager version doesn't match release version
- Installer did not unpack SSRS dlls under Program Files

## OfficeWriter 8.1.2

*Released April 30, 2012*

## ExcelWriter, WordWriter, Reporting Services Integration, and Installer

### Issues Resolved

- OfficeWriter 8 was not FIPS compliant, which prevented installing or running OfficeWriter 8 on FIPS-enabled machines. This fix has been applied to all OfficeWriter 8 components.

## OfficeWriter 8.1.1

*Released April 19, 2012*

### ExcelWriter and WordWriter

*No changes were made for v8.1.1*

## Reporting Services Integration and Installer

### Issues Resolved

- The OfficeWriter Designer 8.1.0 installer required VB6 (for Office 2007) to be installed. The OfficeWriter Designer 8.1.1 installer requires either VB6 (Office 2007) or VB7 (Office 2010) to be installed.

## OfficeWriter 8.1.0

*Released March 28, 2012*

### ExcelWriter

#### Features Added

- [Axis.LinkedToSource](#) and [SeriesDataLabel.LinkedToSource](#) for ExcelApplication
- Improved support for tables in OOXML files for ExcelApplication

#### Issues Resolved

##### Template Object

- No exception thrown when rows of imported data exceeds file format limit
- Cultures with different thousand separators cause corrupt output in OOXML files
- Rows pushed down when using pivot tables in OOXML files

##### Application Object

- Getting a data label for a data point puts x-axis values in chart legend
- Deleting a row with conditional formatting causes a file error in Excel 2007/2010
- [Hyperlink.Href](#) returns null value instead of a valid link
- Exception thrown if chart legend has a background fill

**The following fixes apply only to OOXML files:**

- [SoftArtisans.OfficeWriter.ExcelWriter.XMLModel](#) at index does not exist exception thrown
- Unable to create hyperlinks in a merged area adjacent to another merged area
- [Workbook.UseRCFormulaNotation](#) always returned false

### WordWriter

#### Features Added

- Ability to unlink IF fields in OOXML files after they are evaluated by WordTemplate with [WordTemplate.UnlinkIFFields](#)

#### Issues Resolved

- [Table.InsertRows](#) takes the formatting from the first row of the table
- WordTemplate image modifier does not scale images correctly in OOXML files

## Reporting Services Integration

### Features Added

- New ribbon design for Office 2007/2010 in Excel and Word
- OfficeWriter Designer support for Office 2010

### Issues Resolved

- Designer in Excel hangs when previewing reports after changing multiple parameter values

## Installer

### Features Added

- Redesigned and improved installer for the OfficeWriter Designer

## OfficeWriter 8.0.0

*Released November 30, 2011*

## ExcelWriter

### Features Added

- Complete support for Excel 2007/2010 (XLSX) file formats with ExcelApplication

### Issues Resolved

- Deleting the last remaining worksheet in a Workbook throws an exception on call to Save instead of on Delete
- Passing a non-seekable Stream object to a method when creating a picture will throw an exception
- Merged cells next to data markers on adjacent rows causes corrupt output
- License Manager tool displays popup twice when upgrading OfficeWriter key
- ExcelWriter allowed setting of invalid font sizes, which resulted in warnings in Excel 2010
- Incorrect default character width used for default font

## WordWriter

### Features Added

- Ability to [include arbitrary RTF or HTML documents in merge fields](#) with WordTemplate

## Reporting Services Integration

*No changes were made for 8.0.0.*

## Installer

### Features Added

- Redesigned and improved kit for installing .NET, Reporting Services, and SharePoint solutions on 32-bit and 64-bit systems.

# OfficeWriter 4.x

## Releases:

- [OfficeWriter 4.6.1](#)
- [OfficeWriter 4.6.0](#)
- [OfficeWriter 4.5.1](#)
- [OfficeWriter 4.5.0](#)
- [OfficeWriter 4.1.0](#)
- [OfficeWriter 4.0.0](#)

Below is a list of added features and bug fixes that are incorporated for each minor build of OfficeWriter 4.x.

## OfficeWriter 4.6.1

*Released July 5, 2011*

## ExcelWriter 7.6.1

### Features Added

- ExcelApplication is now 20% faster and requires 20% less memory

### Issues Resolved

- Specific formula caused "Unreadable Content" error in XLSX file processed by ExcelTemplate in SSRS
- ExcelWriter would return the wrong default character width for Calibri - size 11
- ExcelApplication threw an exception when parsing some SSRS 2008 generated Excel files
- Chart text was not properly set to "Automatic" by default
- Data Series in charts were sometimes not sequenced correctly
- GetHeader and GetFooter threw NullReferenceException when called on newly created worksheets

## WordWriter 4.6.1

*There were no changes made for 4.6.1.*

## Reporting Services Integration 4.6.1

### Issues Resolved

- Specific formula caused "Unreadable Content" error in XLSX file processed by ExcelTemplate in SSRS
- Opening an RDL in the OfficeWriter Designer threw a "Type Mismatch" error with certain regional settings

## OfficeWriter 4.6.0

*Released April 4, 2011*

## ExcelWriter 7.6.0

### Features Added

- Data markers in Pivot Table cells are no longer processed explicitly (with data being brought in) or implicitly (with blank rows added to the sheet), as described in the new [EWTemplates and Pivot Tables \(deprecated\)](#) page
  - Pivot Table templates no longer require dummy data
  - Pivot Table templates no longer require edit copies set not to refresh on open



- Shapes and Charts can be placed beside Pivot Tables
- Sparklines now preserved in Excel 2010 created file when processed by ExcelTemplate

## Issues Resolved

- ExcelTemplate threw an error on Excel 2010-created files with Excel 2003-format pivot tables
- Shapes such as charts stretched when placed next to pivot tables that were filled using ExcelTemplate
- ExcelWriter generated files no longer open in protected mode in Excel 2010

## WordWriter 4.6.0

### Features Added

- Since the WordTemplate COM-callable wrapper is no longer installed, WordWriter is no longer installed in the Global Assembly Cache (GAC).

### Issues resolved

- Some files processed by WordTemplate, then WordApplication, caused errors when opened in Word 2010
- WordWriter threw an error when repeat blocks were in tables in templates created using Word 2010

## Reporting Services Integration 4.6.0

### Issues Resolved

- Reporting Services 2008 R2 formulas did not work in OfficeWriter Reporting Services integration for Word
- OfficeWriter Designer did not read Reporting Services 2008 formulas from the RDL files

## Installer

### Features Added

- ExcelWriter COM and the WordTemplate COM-callable wrapper are no longer automatically installed during the OfficeWriter installation process. Bits are available upon request.

## OfficeWriter 4.5.1

*Released January 25, 2011*

## ExcelWriter 7.5.1

### Features Added

- ExcelWriter can now insert images into headers and footers using the new [HeaderFooterPicture](#) object.
- The new [HeaderFooterSection](#) object allows greater control over headers and footers
- The new [EWChartFillPattern \(no attachments\)](#) class provides values for all Excel 2003 patterns
- The new [SeriesDataLabel.DataLabelPlacement](#) property allows you to explicitly set the location of the data label on each data point in a Series using the [DataLabelPlacementType](#) enum

### Issues Resolved

- Issues with PivotCharts in ExcelTemplate
  - PivotCharts missing data in ExcelTemplate reports when streamed to client
  - PivotCharts lose series formatting in OOXML (Excel 2007) file format
- ExcelTemplate did not work with template files created in Excel 2010
- ExcelTemplate did not throw an error if file format limits on the number of characters in a cell were exceeded.
- Processing certain files with comments using ExcelTemplate created a corrupt file
- Calling [ExcelTemplate.Process\(\)](#) on files where certain formulas threw an "Unrecognizable symbol" exception.
- ExcelApplication did not throw an error if file format limits on the number of characters in a cell were exceeded.

- Horizontal page breaks could not be inserted on worksheets created using [Worksheets.CopySheet](#)
- [PageSetup](#) attributes were not applied to worksheets created using [Worksheets.CopySheet](#)
- Merging some spreadsheets created using Crystal Reports resulted in a corrupt workbook.
- A number of Charting API issues in [ExcelApplication](#)
  - Setting [Series.Label.ContainsValue](#) broke formatting
  - Setting [DataPoint.Interior.Pattern](#) corrupted some files
  - Data Labels set in code not visible in Excel 2003
  - Picture chart fills cause an exception to be thrown when patterns are read
  - [ExcelApplication](#) fails to parse Legend visibility correctly
  - Some files were corrupted when a Series was removed from a [SeriesCollection](#)
  - Setting a [CategoryData](#) formula to a multi-column range threw an invalid formula exception
- [ColumnProperties.AutoFitWidth\(\)](#) entered an infinite loop on columns with certain [NumberFormat](#) settings
- [Cell.Formula](#) threw an exception when attempting to read a formula referencing an external workbook using [VLookup](#)
- Some files generated with [ExcelTemplate](#) created corrupt files when opened and saved in [ExcelApplication](#)

## WordWriter 4.5.1

### Issues Resolved

- [WordTemplate](#) created a corrupted file when processing two IF fields
- [WordTemplate](#) threw an exception or produced a corrupt file when processing a template with IF fields containing other fields
- Merging a document with a programmatically-created table into another document threw an index out of bounds exception
- After replacing an object in a header or footer using [Element.SearchAndReplace](#), the next call to [SearchAndReplace\(\)](#) threw a [WordWriterException](#)
- [Watermark](#) object can now access watermarks in input files
- [Watermark](#) was not able to insert new watermarks
- Setting some table styles using [WordApplication](#) caused formatting issues and corrupted tables
- Merging two documents using [Document.Append](#) caused corrupted output in some cases
- Opening and saving a file created using a non-English version of Word caused formatting issues

## Reporting Services Integration 4.5.1

### Features Added

- [OfficeWriter Designer](#) now supports reports built using [Report Builder 3.0](#)

### Issues Resolved

- Reporting Services reports created with the [OfficeWriter Designer](#) broke reports when an Oracle data source was used.

## Installer

### Issues Resolved

- License Key Manager threw error when being run on a machine with no [SoftArtisans](#) license keys in the registry.

## OfficeWriter 4.5.0

*Released September 21, 2010*

## ExcelWriter 7.5.0

### Features Added

- [ExcelWriter SharePoint Integration](#)
  - [ExcelWriter](#) can now use SharePoint Lists and Views as data sources
  - [ExcelWriter](#) can now output spreadsheets to Document Libraries or as List Item attachments
- [Cell.SetAddInFormula](#) method

## Issues Resolved

- ExcelTemplate can now process files created using Microsoft's OOXML SDK
  - Process method no longer throws exception when processing a worksheet copied using Microsoft's OOXML SDK
  - Process method no longer throws exception when processing a workbook with a large number of worksheets copied using Microsoft's OOXML SDK
- Issues with deleting worksheets in workbooks
  - Deleting a Worksheet in a Workbook with Worksheet-level named ranges no longer corrupts the output spreadsheet
  - Deleting a Worksheet in a Workbook with Workbook-level named ranges no longer throws an "Unable to parse formula" exception when Save is called
  - Calling [PageSetup.SetPrintTitleRows](#) or [PageSetup.SetPrintTitleColumns](#) on the last sheet of a workbook, then deleting the worksheet no longer throws exception on Save
- Improved Grouping and Nesting Support
  - Headers and Footers are no longer printed when the data source is empty
  - [Data marker modifiers](#) now also work on %%value() markers
  - Merged cells are now preserved in spreadsheets with Grouping and Nesting
  - Conditional formatting copied from a header or footer to a data marker row using paste special -> formats is now preserved
  - Shared formulas in headers or footers are changed to equivalent regular formulas, rather than causing a corrupt output spreadsheet
- [ExcelTemplate.Process\(\)](#) issues with some templates
  - Process no longer fails on a small number of template files that had previously caused it to fail
  - Process no longer throws a "Cannot find last DBCELL record" after being first opened in ExcelApplication
  - Process no longer throws a "Sheet was not in expected location" error after being first opened in ExcelApplication
- [Shape.FillTransparency](#) no longer inverts its value
- Cell values on sheets created using [Worksheets.CopySheet](#) no longer reference incorrect values
- Calling [ColumnProperties.AutoFitWidth\(\)](#) on a column with a custom [NumberFormat](#) no longer causes an Out of Memory exception
- R1C1-style formulas no longer cause an "Unable to parse formula" exception
- Improved ability to handle spreadsheets generated by Crystal Reports
  - ExcelWriter can now open some files generated by Crystal Reports that had previously been impossible to open
  - Small bmp files can now be copied from Excel spreadsheets generated through Crystal Reports

## WordWriter 4.5.0

### Features Added

- [WordWriter SharePoint Integration](#)
  - WordWriter can now use SharePoint Lists and Views as data sources
  - WordWriter can now save documents as Document Library items or List Item attachments
- New [WordTemplate.SaveExtension](#) property returns the extension of the template file that has been opened
- New [Document.Append](#) method appends one Document to another, preserving all Sections, including header and footers plus other section formatting
- WordWriter now supports [Grouping and Nesting](#) with the WordTemplate object

### Issues resolved

- Improved WordTemplate support for Open Office XML format
  - Newline characters now handled correctly by [WordTemplate](#) in the Open Office XML file format
  - Support for all Open Office XML file extensions (.docm, .dotx, and .dotm all are now supported)
- Deleting table rows containing merge fields within a bookmark no longer damages the bookmark, allowing the template to populate without corrupting the output document
- Binding an empty DataTable to a template using [WordTemplate.SetRepeatBlock](#) no longer throws an exception, but instead removes bookmark
- Inserting content into a header with field no longer causes a corrupt document
- Custom styles preserved when two [Document](#) objects are merged using the [Document.InsertAfter](#) method
- Word documents with images with text wrapping settings other than "Inline with Text" no longer corrupted when opened and saved using WordApplication
- Setting [TableFormatting.AutoWidth](#) to true no longer fails to have any effect; columns set to Auto using [Table.SetPreferredColumnWidth Units](#) will now have their widths automatically calculated

## Reporting Services Integration 4.5.0

*No changes were made for 4.5.0*

## OfficeWriter 4.1.0

## ExcelWriter 7.1.0

### Features Added

- ExcelTemplate can process files created with Microsoft's Office Open XML (OOXML) SDK
- Nesting and grouping formatting enabled for OOXML files. For more information, see [Creating Data Markers](#)

### Issues Resolved

- Compiler error thrown while using ChartType enumeration in Visual Studio 2008
- Several issues addressed regarding support for files created by the native Excel renderer from SQL Server Reporting Services 2008
  - Accessing worksheets threw object reference exceptions
  - Creating a chart and adding a series corrupted the output file
  - Adding or removing rows or columns, copying worksheets, or creating a named range threw an internal casting exception
  - Creating a range from one or more areas threw a parser exception
  - Accessing or changing colors in the Palette threw Invalid Color Index exception
- Several issues addressed regarding support for files created by the native Excel renderer from SQL Server Reporting Services 2005
  - Missing shared string table from some spreadsheets threw Object Reference exception
  - ColumnProperty.ApplyStyle() failed to get Style interface unless Worksheet.PopulatedCells was first accessed
- ExcelWriter did not process three-letter columns correctly when referencing cells, for example "AAA4"
- AutoFitWidth threw IndexOutOfBoundsException for column with formula formatted as number
- Calling ApplyStyle() or SetStyle() on a ColumnProperties object referencing a column with a formula in it threw an Object Reference exception
- Setting CharacterRun.Font properties for more than 586 cells corrupted the file
- Setting CORREL function with Application object displayed "#VALUE" until user clicked on the cell
- ExcelTemplate.ExcludeMacros property now available when working with OOXML files
- Strings that looked like data markers after a formula is evaluated were treated like data markers
- The wrong content-type header was being sent when streaming OOXML files to the user, causing some browsers to treat them as BIFF8 (.xls) files
- ExcelTemplate no longer inserts a 0 for Null values brought into an OOXML template using a DataReader

## WordWriter 4.1.0

### Features Added

- WordTemplate can evaluate formulas for Word 2007 OOXML file format files (.docx/.docm). For more information, see [Creating Merge Fields](#)

### Issues Resolved

- Deleting an element in a table made in Word 2007 corrupted the output document in some cases
- Deleting a row in a table also deleted the value in the first cell of the next row
- In some cases documents with embedded images threw Out of Memory exceptions
- Calling Document.Search() on a document with an empty field threw a stack overflow exception
- Inserting many images with WordTemplate caused some images not to display

## Reporting Services Integration 4.1.0

### Issues resolved

- OfficeWriter Designer threw an error when attempting to publish a 2008 RDL with a Report Global embedded using the Insert Formula button
- OfficeWriter Designer threw data source exception when a query was associated with a row in a table in a Word Document
- OfficeWriter Designer did not allow exporting Excel 2007 files with macros as RDLs
- OfficeWriter Designer's RDL parser threw an Unknown Exception for report model data sources with field names containing fewer than 5 characters

## OfficeWriter 4.0.0

# ExcelWriter 7.0.0

## Features Added

- ExcelWriter is written in pure C# .NET and no longer has a dependency on the J# runtime
- ExcelTemplate supports Excel 2007 OpenXML (OOXML) files with .xlsx, .xlsm, .xltx, and .xltm extensions
- Support for creating and viewing ExcelWriter files in Excel 2007
- Ability to iterate over all named ranges in a worksheet or workbook
- New [Shape.FillTransparency](#) property added
- Ability to bind data to an individual worksheet with the [DataBindingProperties](#) object
- Support for unicode in data markers
- New [Cell.GetTextHeight](#) and [Cell.GetTextWidth](#) methods for autofitting merged cells
- New [InsertRows\(\)](#) and [InsertColumns\(\)](#) methods
- Performance improvements:
  - ExcelTemplate + ExcelApplication
    1. Processes binary (XLS) files up to 50% faster
    2. Blank cell optimizations results in 400% improvement in speed and memory usage when using ExcelTemplate and ExcelApplication together
  - ExcelTemplate
    1. Formulas are processed up to twice as fast
    2. Reduced memory usage
    3. Ability to bind data only to a specific worksheet
  - ExcelApplication
    1. Faster algorithm for style optimization
    2. Improved performance when opening existing files and setting column widths
    3. Formulas can be inserted up to 8 times faster and improved performance for the formula parser
    4. Improved autofit algorithm

# WordWriter 4.0.0

## Featured Added

- Support for Office Open XML (OOXML) files in WordTemplate with .docx, docm, dotx, dotm file extensions
- Support for creating and viewing files in Word 2007 including:
  - Support for new themes, styles, table formatting options, hapes, charts, and diagrams
- Written in pure #C .NET and no longer depends on J# runtime
- Ability to evaluate IF fields
- New [EnableNextFields](#) property
- New [SetMailMerge](#) functionality to mimic Microsoft Word mail merge
- Improvements to performance
  - WordTemplate uses 40x less memory with OOXML files when processing large files or importing large amounts of data
  - WordTemplate is 35% when processing large binary (DOC) files
  - WordApplication is up to 6x faster when processing binary files
- HTMLtoWord open source project for importing HTML into WordWriter documents

# Reporting Services Integration 4.0.0

## Features Added

- **Full SQL Server Reporting Services 2008 support**  
The OfficeWriter Designer now supports the embedding of Excel and Word within reports for SQL Server Reporting Services 2008.
- **Add real Excel and Word to reports designed in Visual Studio 2008**  
The OfficeWriter Designer also now supports reports designed in Visual Studio 2008 and Report Builder 2.0, allowing the addition of Excel and Word versions to an existing report.
- **Office Open XML Format support**  
In SoftArtisans OfficeWriter version 4, the Office Open XML format (.docx and .xlsx; .docm and .xlsm) is now supported.
- **Significant performance improvements**  
Improvements with memory efficiency in underlying ExcelWriter and WordWriter DLLs can lead to significant performance gains
- **Unicode Field Names in Data Markers**  
Data markers can now include any Unicode character except brackets [] and braces {}

- **Unicode Data Source Names with Excel Reports**

Excel reports now accept any Unicode character in data source names