

# OfficeWriter 9 Change Log

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