Oracle® Fusion Middleware

Oracle® Outside In Technology Release Notes 8.5.3

Release 8.5.3

E74928-01

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The major goals of this release are improved rendering fidelity in several key target formats, improved general font selection for all rendering products, increased format coverage and enhanced functionality of Web View Export. Other customer requested enhancements and bug fixes are also included in the 8.5.3 release.

It includes the following improvements:

- New Formats
- New Options
- General Accuracy and Fidelity
- SDK Specific – File Identification
- SDK Specific – Web View Export
- SDK Specific – PDF Export
- SDK Specific – XML Export
- Operating System Updates
- .NET API Changes
- Java API Changes
- Web View Export JavaScript API Changes

New Formats

Feature	Applies to	Description
Microsoft Word 2016	All SDKs	Add support for files created via Microsoft Word 2016
Microsoft Excel 2016	All SDKs	Add support for files created via Microsoft Excel 2016
Microsoft PowerPoint 2016	All SDKs	Add support for files created via Microsoft PowerPoint 2016

Feature	Applies to	Description
MS Outlook 2011 for Mac (OLM and EML)	All SDKs	Add support for email and email archive files from MS Office 2011 for Mac
Corel WordPerfect X7	All SDKs	Add support for files created via Corel WordPerfect X7
Corel Quattro Pro X7	All SDKs	Add support for files created via Corel Quattro Pro X7
Corel Presentations X7	All SDKs	Add support for files created via Corel Presentations X7
Corel Draw X7	All SDKs	Add support for files created via Corel Draw X7
iWork KeyNote (text only)	All SDKs	Add support for text-only filtering of iWork KeyNote 2014 (v6.5) files (not available on HP-UX)
AutoCAD 2015	All SDKs	Add support for AutoCAD 2015 DWG and DXF files

New Options

Feature	Applies to	Description
SCCOPT_PDF_FILTER_WORD_DELIM_FRACTION	All SDKs	When processing PDF input documents, this option gives user control over the threshold used to determine where word breaks occur when spacing is ambiguous
SCCOPT_PDF_FILTER_MAX_EMBEDDED_OBJECTS and SCCOPT_PDF_FILTER_MAX_VECTOR_PATHS	All SDKs	When processing PDF input documents, these two options allow user control over: • Number of embedded objects to process • Number of vector paths to process Files with a large number of these objects can perform poorly

General Accuracy and Fidelity

Feature	Applies to	Description
Support MS Word table styles	All SDKs	Microsoft Word tables can have styles specified in many different ways. Outside In can now pull specific attributes from a combination of styles. This improves the look of table formatting in .DOC files

Feature	Applies to	Description
MS Office Chart data label styles extended	All SDKs	Charts rendered in MS Office products will support many more styles across several chart types. Affects Excel 97 and later, Word 2012 (and later) embeddings and PowerPoint 2012 (and later) embeddings
Font selection algorithm improvements	All SDKs	The font selection algorithm has been simplified in order to increase rendering fidelity and to improve performance
Outlook MSG “best body” algorithm implemented	All SDKs	Email messages can have email bodies in several formats (text, HTML, RTF, Unicode). This will improve the quality of content by picking the best one, based on several factors
PPTX Master slide Transparency	All SDKs	When a Master slide has a level of transparency applied only to the Master slide, that level of transparency will be supported when that master slide template is used
PowerPoint internal hyperlinks are active	Web View Export, PDF Export, Viewer	Links to locations in other parts of the same document are active in the output
Four Color (CMYK) progressive JPEG	All SDKs	Add support for new flavor of JPEG
Processing of very large spreadsheets containing large areas of white space are optimized for improved performance	All SDKs	Performance will improve on these large, sparsely filled spreadsheets. Other spreadsheets should not see any change
PDF Type 3 embedded font support	Viewer, PDF Export and Image Export	When rendering text, embedded Type 3 fonts are now supported
Watermark API is now consistent between the Image Export and PDF Export SDKs and support has been added in the .NET and Java APIs.	PDF Export and Image Export	

SDK Specific – File Identification

Feature	Description
Strict Open XML	Strict Open XML versions of Office formats are uniquely identified but not supported for extraction or rendering.
Apple iWork Pages and Numbers	These types are identified but not supported for extraction or rendering.

Feature	Description
WebP raster	Google image format is identified but not supported for extraction or rendering.

SDK Specific – Web View Export

Feature	Description
Web View output type SCCWV_STRUCTURE_PAGE_STREAMING	New output type of Web View Export can be streamed via Ajax or loaded from the file system (no Ajax). Each page is stored in a separate HTML file which can be loaded independently; document wide navigation is still supported.

SDK Specific – PDF Export

Feature	Description
Watermark transparency supported	Watermark transparency in PDF Export in now supported and the API has been extended to support it.
IBM:Linux on System-Z supported	PDF Export is now supported on this 64-bit platform.

SDK Specific – XML Export

Feature	Description
Soft line special character has been added	The tag <tx.schar ch="soft-line"/> is used to indicate suggested line breaks from PDF input files.
Extraction of MS Excel track change information	SCCOPT_GENERATEEXCELREVISIONS option will be supported. The FlexionDoc schema will produce tracked changes from Excel files.

Operating System Updates

Feature	Applies to	Description
New Windows base standard library	All Windows SDKs	Previous versions of Outside In for Windows were built with a dependency on Visual C++ Redistributable Package for Visual Studio 2005, including library msvcrt80.dll. 8.5.3 now requires the newer standard library msvcrt120.dll, which is part of Visual C++ Redistributable Packages for Visual Studio 2013. See https://www.microsoft.com/en-us/download/details.aspx?id=40784 for library installation.
Windows 10	All SDKs	Add support for Windows 10
SLES 12	All SDKs	Add support for SLES 12

.NET API Changes

Feature	Applies to	Description
OutsideIn.SetConfiguration	All Export SDKs	A new configuration object, **OutsideInConfig** will have the following properties: • **OutsideInConfig.InstallLocation** Same as current existing • **OutsideIn.InstallLocation** for setting the OIT binary directory. • **OutsideInConfig.MinimumWorkerCount** Specifies the minimum number of running worker processes kept available for export operations. If there is a higher number of exporter objects performing simultaneous export operations, additional worker processes will be created. Those additional worker processes will be terminated according to the IdleWorkerTimeout setting. If any of these processes are terminated due to errors, they will be replaced by a new process to maintain this minimum count of loaded worker processes. • **OutsideInConfig.IdleWorkerTimeout** Unsigned integer value indicating the number of milliseconds that an idle process in excess of the minimum worker count is kept alive before being terminated. This timeout only applies to worker processes created beyond the number of MinimumWorkerCount processes.
Get method for options	All Export SDKs	Get()method provides ability to determine the current value of any Outside In option.

Feature	Applies to	Description
Redirected IO for temp files	All Export SDKs	There is a new callback which enables creation and control of temporary files (which are needed as part of any Export conversion).

Java API Changes

Feature	Applies to	Description
Get method for options	All Export SDKs	get() method provides ability to determine the current value of any Outside In option.
Redirected IO for temp files	All Export SDKs	There is a new callback which enables creation and control of temporary files (which are needed as part of any Export conversion).

Web View Export JavaScript API Changes

Feature	Description
Enhanced display of PowerPoint files	Display of PowerPoint presentations has been enhanced to allow detection and display of slide notes, as well as supporting navigation that skips slides marked as hidden from a slideshow. See API changes below for details.
New display settings available in OIT.document.setOptions	• **nochrome** - Allows pages to be loaded without a border, background or drop shadow. • **showSlideNotes** – Displays a panel containing notes for presentation slides • **presentationMode** – Hides presentation slides marked as hidden from a slide show • **scrollMode** – Allows scrolling page transitions to be disabled
New events in the Javascript API	• done – An event fired when the entire number of pages in the document is known • showmessage/hidemessage/progress – Events fired when the Web View display intends to show or hide a message or progress dialog; these allow dialogs to be suppressed and/or replaced
New page level properties available for presentation slides, provided via the OIT.pages "change" event and OIT.pages.info()	• notes – A value of true indicates that the presentation slide contains slide notes. • hiddenFromSlideshow – A value of true indicates that the slide is marked to be hidden if the presentation were displayed as a slide show.

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