IDOL
KeyView Export SDK

Software Version 12.9.0

Release Notes

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- Document Release Date, which changes each time the document is updated.
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Contents

New in this Release

This section lists the enhancements to KeyView Export SDK version 12.9.0.

- KeyView format detection has been extended, with support for 55 additional file formats. By identifying a larger range of formats present in the enterprise, decisions can be made on how to route, filter, or alert on such documents. For the full list, refer to the *KeyView Export SDK Programming Guides*.

- Text-only support has been added for Adobe Font Metrics (Adobe_Font_Metrics_Fmt) files.

- Text-only support has been added for Printer_Font_ASCII_Fmt files.

- Text-only support has been added for LyX Word Processor (LyX_Fmt) files.

- KeyView now supports fill patterns when extracting images to SVG format.

- PowerPoint SmartArt content is now rendered directly in SVG output. Previously, the SmartArt was rendered as an embedded PNG image, which was supported only on Windows.

- KeyView now performs character set conversion more quickly.

- The pdf2sr reader now includes annotations and fillable form fields in the raster output.

- The pdfsr reader can now read additional types of corrupted files.

- The Expat third-party library has been upgraded to version 2.2.10.

- The wavpack third-party library has been upgraded to version 5.4.0.

- The SQLite third-party library has been upgraded to version 3.34.1.

- The libjpeg third-party library has been upgraded to version 9d.

- The JasPer third-party library has been upgraded to version 2.0.24.

- The libPNG third-part library has been upgraded to version 1.6.37.

- KeyView now performs stricter checking on the return value of the `KVOutputStream.fpWrite()` function you pass in when using the extract API to extract to a stream.

> **CAUTION:** The return value should be the number of bytes successfully written. Previously, KeyView assumed that any non-zero value indicated that all bytes had been written successfully.

Resolved Issues

The following issues were resolved in KeyView Export SDK version 12.9.0.

- On MacOS, KeyView occasionally exited unexpectedly when Exporting spreadsheet files.

- KeyView could output incorrectly terminated Unicode strings in summary information.

- Footnote content was sometimes output from Microsoft Word documents (.doc) even when it was not explicitly requested.

- Microsoft Excel files with large numbers of merged cells took a long time to process.

- When processing Microsoft Word documents (.docx), some tables in the output were not closed correctly.

- The kEncrypted attribute was not set for RMS encrypted MS_Word_2000_Fmt, Excel_2000_Fmt and PowerPoint_2000_Fmt files.

- When outputting vector graphics to SVG format, some exported HTML had unclosed object tags, so that the objects were not displayed correctly.

- Applications that were built against the .NET API version 12.6 or earlier needed to be rebuilt before they would run correctly, because of updated constructor signatures. Backward compatible constructors have now been added so you do not need to rebuild the applications.

- When using the unzip reader in-process in stream mode, KeyView failed to extract subfiles larger than 4kB from PPMd-compressed ZIP files.

- Unsupported gradients defaulted to solid black fill in SVG output.

- Invalid textures produced black rectangles in SVG output.

- Some raster images were not rendered in SVG output.

- PDF Portfolio was occasionally not detected correctly.

- KeyView would take a long time to open some malformed ODF files ready for extraction.

- KeyView could exit unexpectedly when processing some Microsoft Excel files (.xslx) that contained content positioned in a non-standard way.

- KeyView could exit unexpectedly when processing malformed PDF files that contained recursive forms.

- Some graphical elements did not appear in SVG output.

- When processing some Microsoft Word (DOCX) files with many shapes or text boxes, KeyView could exit unexpectedly (in-process) or return an error (out-of-process).

- When processing some OneNote (OneNote_Fmt) files, KeyView could exit unexpectedly (in-process), or return an error (out-of-process).

- When processing some JBIG2_Fmt files, KeyView could exit unexpectedly (in-process), or return an error (out-of-process).

- When processing some Visio (MS_Visio_Fmt) files, KeyView could exit unexpectedly (in-process), or return an error (out-of-process).

- When processing a crafted Ami Pro document (Ami_Pro_Fmt, Ami_Pro_StyleSheet_Fmt), there was a security vulnerability that could allow code execution.

Requirements

This section lists the supported platforms, supported compilers, and software dependencies for the KeyView Export SDK.

Supported Platforms

- CentOS 7 x86, x64, and AArch64

- IBM AIX L6.1 PowerPC 32-bit and 64-bit

- IBM AIX L7.1 PowerPC 32-bit and 64-bit

- macOS 10.13 or later on 64-bit Apple-Intel architecture

- macOS 11 or later on Apple M1.

- Microsoft Windows Server 2012 x64

- Microsoft Windows Server 2016 x64

- Microsoft Windows Server 2019 x64

- Microsoft Windows 8 x86 and x64

- Microsoft Windows 10 x64

- Oracle Solaris 10 SPARC

- Oracle Solaris 10 x86 and x64

- Red Hat Enterprise Linux 6 x86 and x64

- Red Hat Enterprise Linux 7 x64

- Red Hat Enterprise Linux 8 x64

- SuSE Linux Enterprise Server 11 x86 and x64

- SuSE Linux Enterprise Server 12 x64

- SuSE Linux Enterprise Server 15 x64

Supported Compilers

Platform	Architecture	Compiler Name	Compiler Version
Microsoft Windows	x86	cl	Microsoft 32-bit C/C++ Optimizing Compiler for x86 Version 17 (Visual Studio 2012) to Version 19 (Visual Studio 2019)

Platform	Architecture	Compiler Name	Compiler Version
	x64	cl	Microsoft C/C++ Optimizing Compiler for x64 Version 17 (Visual Studio 2012) to Version 19 (Visual Studio 2019).
Sun Solaris	x86 64-bit	Sun Studio 12	Sun C 5.9 SunOS_i386 Patch 124868-01 2007/07/12
	SPARC 64-bit	Sun Studio 11	Sun C 5.8 Patch 121015-06 2007/10/03
Linux	x86	gcc / g++	4.1.0 to 4.9.2
	x64	gcc / g++	4.1.0 to 4.9.2
IBM AIX	Power	xlC_r / cc_r	IBM XL C/C++ Enterprise Edition V8.0
macOS	Apple-Intel 64-bit	LLVM	Apple LLVM 5.1 (clang-503.0.40) (based on LLVM 3.4svn)
	Apple M1	LLVM	Apple LLVM 12.0.0 (clang 1200.0.32.28).

Supported Compilers for Java Components

Component	Compiler
Java components	Java 7

Software Dependencies

Some KeyView components require specific third-party software:

- Java Runtime Environment (JRE) or Java Software Developer Kit (JDK) version 7 or 8 is required for Java API and graphics conversion in Export SDK.

- Outlook 2002 or later is required to process Microsoft Outlook Personal Folders (PST) files using the MAPI-based reader (`pstsr`). The native PST readers (`pstxsr` and `pstnsr`) do not require Outlook.

  NOTE: You must install an edition of Microsoft Outlook (32-bit or 64-bit) that matches the KeyView software. For example, if you use 32-bit KeyView, install 32-bit Outlook. If you use 64-bit KeyView, install 64-bit Outlook.

  If the editions do not match, KeyView returns `Error 32: KVError_PSTAccessFailed` and an error message from Microsoft Office Outlook is displayed: `Either there is a no default mail client or the current mail client cannot fulfill the messaging request. Please run Microsoft Outlook and set it as the default mail client.`

- Lotus Notes or Lotus Domino is required for Lotus Notes database (NSF) file processing. The minimum requirement is 6.5.1, but version 8.5 is recommended.
- Microsoft Visual C++ 2019 Redistributables (Windows only).

Notes

- The ability to provide KeyView license information as a file (`kv.lic`) has been deprecated. In the C API, the function `fpInit()` has been deprecated. Micro Focus recommends that you use `fpInitWithLicenseData()` instead, so that your license key is passed to KeyView through the API. You should not include license information in your application as a file. `fpInit()` is still available for existing implementations, but it might be incompatible with new functionality and might be removed in future.

- The platform name for MacOS in installers has been updated from OSX_64 to MACOS_X86_64.

Documentation

The following documentation was updated for KeyView Export SDK version 12.9.0.

- *KeyView Export SDK: HTML Export C and COM Programming Guide*

- *KeyView Export SDK: HTML Export Java Programming Guide*

- *KeyView Export SDK: PDF Export C Programming Guide*

- *KeyView Export SDK: XML Export C Programming Guide*

- *KeyView Export SDK: XML Export Java Programming Guide*