

IDOL

KeyView Filter SDK

Software Version 12.8.0

Release Notes



Document Release Date: February 2021
Software Release Date: February 2021

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

New in this Release	4
Resolved Issues	5
Requirements	6
Supported Platforms	6
Supported Compilers	6
C++ Filter SDK	7
Software Dependencies	7
Notes	9
Documentation	10

New in this Release

This section lists the enhancements to KeyView Filter SDK version 12.8.0.

- KeyView format detection has been extended, with support for 42 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 Filter SDK Programming Guides*.
- KeyView can extract text from Haansoft Hangul HWPX files. This functionality is provided by a new reader, `hwpxsr`. This feature was included in 12.7, but was not documented.
- KeyView Filter can now retrieve text from standalone raster files by using Optical Character Recognition (OCR). This feature is licensed separately.
- KeyView is now available for the Apple M1 platform if enabled by your license.
- KeyView is now available for Linux ARM (AArch64).
- The `streaming_method` configuration parameter has been expanded to apply to the `fpGetXmpInfo` and `fpGetOLESummaryInfo` functions. This option allows you to obtain metadata from files without reading the whole input stream, even when running out-of-process.
- Support has been added for the new Zstandard (zstd) compression method for ZIP files.
- KeyView can extract text from SAS7BDAT files. This functionality is provided by a new reader, `sassr`.
- KeyView can now extract embedded content from PKCS #7 signed data files. PKCS #7 is used within S/MIME messages, and these messages are already handled by KeyView. This change adds support for PKCS #7 files that are not attached to S/MIME messages.
- KeyView can now extract the string named properties that you specify from MSG files.
- When KeyView processes PowerPoint (PPTX) files with the show hidden information option turned on, it now outputs text from the master slides together with the text in their associated layouts.
- KeyView can now detect and extract alternate data streams in RAR archives. These alternative streams appear as additional subfiles that you can extract separately.
- KeyView can now extract subfiles from some corrupt ZIP files.
- Filtering large XLSX spreadsheets now requires less temporary disk space.
- A new filter test program is available called `filtertest`. It is located in the `platform/bin` directory of your KeyView installation (where `platform` is the name of your operating system platform). You can use the `-h` option to display the program options.
- Support for filtering text from unencrypted S/MIME messages has been extended to MacOS.

Resolved Issues

The following issues were resolved in KeyView Filter SDK version 12.8.0.

- KeyView would fail to process some valid PDF files.
- When the configuration file was larger than 16kB, the file was truncated. There is now no size limit for this file.
- Hyperlink target URLs in Microsoft Excel documents were not filtered when the 'show hidden text' option was enabled.
- KeyView failed to process some zips in ZIP64 format.
- Microsoft Word files that contained footnotes sometimes took a very long time to extract when Extract Images was enabled.
- KeyView failed to process certain Microsoft OneNote documents.
- When a RAR (v4) archive contained alternate data streams, KeyView reported incorrect files named "STM", which would extract to empty files.
- When processing Microsoft Word documents (DOCX) with grouped images, only the topmost image in a group was output.
- Some CADAM_Drawing_Fmt files were not detected.
- KeyView could return invalid tokens in the content access stream in some circumstances, which could cause issues when used with Connector Framework Server (CFS).
- KeyView could return KVERR_PasswordProtected when processing S/MIME messages that were signed but not encrypted.
- When extracting images from certain PDF files, KeyView generated TIFF images with incorrect colors.
- When filtering metadata from RTF files, custom metadata names were not extracted correctly if the output charset was KVCS_UNICODE.
- Some hyperlink targets did not appear in PDF content.
- KeyView could omit text from Microsoft Word documents (.docx) that were created by Google Docs.

Requirements

This section lists the supported platforms, supported compilers, and software dependencies for the KeyView Filter 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 7 x86 and 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	x86	cl	Microsoft 32-bit C/C++ Optimizing Compiler for x86 Version

Platform	Architecture	Compiler Name	Compiler Version
Windows			17 (Visual Studio 2012) to Version 19 (Visual Studio 2019)
	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

C++ Filter SDK

The C++ Filter SDK is supported on:

- Linux using GCC 5 or later
- Windows using Visual Studio 2015 or later

Software Dependencies

Some KeyView components require specific third-party software:

- Java Runtime Environment (JRE) or Java Software Developer Kit (JDK) version 7 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: KVErrror_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.
- The Microsoft .NET Framework is required if you are using the .NET implementation of the API.
- 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 Filter SDK version 12.8.0.

- *KeyView Filter SDK C Programming Guide*
- *KeyView Filter SDK C++ Programming Guide*
- *KeyView Filter SDK Java Programming Guide*
- *KeyView Filter SDK .NET Programming Guide*