

# KeyView Filter SDK

Software Version 12.3.0

## Release Notes



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- Document Release Date, which changes each time the document is updated.
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# New in this Release

This section lists the enhancements to KeyView Filter SDK version 12.3.0.

- KeyView format detection has been extended, with support for 45 additional file formats. By identifying a larger range of formats present in the enterprise, decisions can readily 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 now extract XMP metadata from PNG files.
- Source code identification is now supported on 64-bit OSX.
- You can now filter files in stream mode without providing custom functions to allocate and free memory.
- KeyView now filters custom placeholder text from PowerPoint (.pptx) slides, when filtering of hidden data is enabled.
- For Windows platforms, all installed libraries are now code signed by Micro Focus Group Limited.
- KeyView can now filter and extract subfiles from OneNote alternative storage format.
- Encoding detection has been improved for CSV files.
- The C++ API now allows you to determine the type of each item of summary metadata, and retrieve summary metadata values in an appropriate type.

## **IMPORTANT:**

When you build any program linked to the filtersdk static library (that is, the C++ API), you must now specify an include directory that contains the C API files (specifically `kvtypes.h`). These files must be present because they are used to build the library, but now they are also necessary for users of the library.

- In the C API, you can now initialize a Filter session with license information, by using the new `fpInitWithLicenseData` function. This function can be used instead of `fpInit`, and uses license information passed in with function parameters, rather than the `kv.lic` file.
- The revision history is now included from OneNote\_Fmt files.

# Resolved Issues

The following issues were resolved in KeyView Filter SDK version 12.3.0.

- KeyView could report the error `KVERR_BadInputStream` when extracting some password-protected RAR files, if no password was supplied.
- KeyView could time out when processing some malformed RTF files.
- When some HTML documents were filtered, image `alt` or `title` text could merge with other text.
- KeyView could time out when processing HTML files that contained invalid CSS.
- Some embedded AutoDesk Drawing (DWG) files were not correctly extracted from their container document.
- Microsoft Photo Editor files were not correctly extracted from Microsoft Office documents.
- KeyView could output incorrect text from some PDF files.
- Some PDF files were not detected correctly.
- The text from some PDF files that did not specify their character encoding was output entirely as replacement characters.
- KeyView returned error 12 (`KVERR_ReaderInitError`) when attempting to process some valid JPG files.
- KeyView failed to get summary information from some JPEG 2000 files.
- The C++ API could throw an `encoding_not_converted_error` when filtering some documents.
- Extracting a Transport Neutral Encapsulation Format (TNEF) file could cause the target character set to be reported incorrectly for files filtered afterwards using the same KeyView session.
- A small amount of text could be missed from some Microsoft Word (.doc) files.
- Images were not extracted from headers in Word documents when `ExtractImages` was set to `TRUE`.
- Hyperlink target information output from Microsoft Word (DOCX) files, when show hidden text was enabled, could be duplicated in some cases.
- KeyView could report the error `KVERR_BadInputStream` for some HTML files when filtering of hidden content was enabled.
- KeyView failed to process some Microsoft Word (.DOC) files.
- KeyView extracted custom field names incorrectly from some Microsoft Office documents.
- KeyView could terminate unexpectedly when processing some Microsoft Word (.DOC) files in-process in stream mode.
- KeyView could time out when getting summary information from mail files.

- KeyView could incorrectly identify files that contained HTML-like text near the start of the file as HTML files.
- KeyView could fail to process some RTF files that contained encapsulated HTML with embedded images.
- KeyView failed to process some PDF files with duplicate cross-reference table entries.
- KeyView could report the error `KVERR_BadInputStream` for PDFs that use a particular compression mechanism for their cross-reference streams.
- KeyView misidentified some text documents as Intel Hex (IHEX).
- KeyView could not process some HTML documents.
- KeyView could time out while processing some Microsoft Visio (.VSD) files.
- KeyView could fail to process Open Document Format files that contained hyperlinks with very long URLs.
- When extracting JBIG2 images that were embedded in PDF, KeyView converted the image to an invalid TIFF. Now the files are converted to PNG.
- In some cases, the XrML was not extracted correctly from RMS protected Office 2007 files.

# Requirements

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

## Supported Platforms

- CentOS 7
- FreeBSD 8.1 x86
- IBM AIX L6.1 PowerPC 32-bit and 64-bit
- IBM AIX L7.1 PowerPC 32-bit and 64-bit
- Mac OS X Mountain Lion 10.8 or higher on 32- and 64-bit Apple-Intel architecture
- Microsoft Windows Vista Business Edition x86 and x64. Other editions of Vista have not been tested, but are likely supported.
- Microsoft Windows 2008 Server Enterprise Edition x86 and x64
- Microsoft Windows 2008 Server R2
- Microsoft Windows 7 x86 and x64
- Microsoft Windows 8 x86 and x64
- Oracle Solaris 10 SPARC
- Oracle Solaris 10 x86 and x64
- Red Hat Enterprise Linux 5.0 x86 and x64
- Red Hat Enterprise Linux 6.0 x86 and x64
- SuSE Linux Enterprise Server 10, 10.1, 11, x86 and x64

## Supported Compilers

Platform	Architecture	Compiler Name	Compiler Version
Microsoft Windows	x86	cl	Microsoft 32-bit C/C++ Optimizing Compiler Version 16.00.30319.01 for x86
	x64	cl	Microsoft C/C++ Optimizing Compiler Version 16.00.30319.01 for x64

Platform	Architecture	Compiler Name	Compiler Version
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++	3.4.3 (Redhat 4), 4.1.0 (SuSE Linux 10)
	x64	gcc / g++	4.1.0 (Redhat 4), 4.1.0 (SuSE Linux 10)
IBM AIX	Power	xLC_r / cc_r	IBM XL C/C++ Enterprise Edition V8.0
Mac OSX	Apple-Intel 32-bit and 64-bit	LLVM	Apple LLVM 5.1 (clang-503.0.40) (based on LLVM 3.4svn)
FreeBSD	BSD x86	gcc / g++	4.2.1 [FreeBSD] 20070719

#### Supported Compilers for Java Components

Component	Compiler
Java components	Java 1.5

## 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 1.5 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++ 2013 and Microsoft Visual C++ 2010 Redistributables (Windows only).

## Notes

- When you build any program linked to the filtersdk static library (that is, the C++ API), you must now specify an include directory that contains the C API files (specifically `kvtypes.h`). These files must be present because they are used to build the library, but now they are also necessary for users of the library.

# Documentation

The following documentation was updated for this release:

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