

KeyView Filter SDK

Software Version 12.6.0

Release Notes



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Contents

New in this Release	4
Resolved Issues	6
Requirements	8
Supported Platforms	8
Supported Compilers	9
C++ Filter SDK	9
Software Dependencies	10
Notes	11
Documentation	12

New in this Release

This section lists the enhancements to KeyView Filter SDK version 12.6.0.

- KeyView format detection has been extended, with support for 52 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 includes new readers so that you can filter text from a greater number of file formats:
 - axsr - for Applix Asterix.
 - cdsr - for Convergent Technologies DEF.
 - nnsr - for NBI Net Archive.
 - pwsr - for Primeword.
 - swsr - for SmartWare II Word Processor.
 - stringssr - a generic reader for file formats that contain blocks of ASCII text but have no dedicated reader.
- KeyView now has additional support for RMS protected files:
 - The new function `fpConfigureRMS` has been added, which will allow Filter and File Extraction API functions to operate on the protected contents of RMS-protected files.
 - KeyView can now extract XrML from PPT and PPS documents.
 - XrML extracted from Microsoft Office files is now given the `KVSubFileType_XrML` subfile type.
- KeyView now has improved support for extracting XMP metadata:
 - On Windows, Linux, and MacOS platforms, KeyView can now extract XMP metadata from the following file formats:
 - jpeg2000 (JPEG_2000_JP2_File_Fmt)
 - SVG (SVG_Fmt)
 - MOV (QuickTime_Fmt)
 - AIFF (AIFF_Fmt)
 - FLV (Flash_Video_Fmt)
 - SWF (Macromedia_Flash_Fmt)
 - MP3 (MPEG_Audio_Fmt)
 - MPEG4 (ISO_IEC_MPEG_4_Fmt)
 - WAV (MS_WAVE_Audio_Fmt)

- AVI (MS_Video_Fmt)
 - EPS (EPSF_Fmt, Preview_EPSF_Fmt)
 - INDD (InDesign_Fmt)
 - WMA (WMA_Fmt)
 - WMV (WMV_Fmt)
 - HTML (HTML_Fmt)
- KeyView has improved support for reducing the amount of work done when you do not want to process an entire file:
 - You can now configure KeyView to use streaming during the extraction process when running out of process, which can improve responsiveness when extracting only a subset of files, and reduces the amount of disk space used for temporary files. You can turn on this option by setting the `streaming_method` parameter to `pipe` in the `[FilterSDK_Config]` section of `formats.ini`. By default, this parameter is set to `temp_file`, which uses temporary files for communication.
 - Minor improvements have been made to the handling of non-valid files:
 - KeyView can now process some Microsoft Word documents with malformed storage names.
 - KeyView can now filter XMP metadata from some corrupt PDF files.

97_Fmt, MS_Outlook_Fmt, MS_OutlookPST_Fmt, Lotus_Notes_NSF_Fmt, HWP_Fmt.

- When attempting to filter some invalid Microsoft Excel (XLS) files, KeyView could use a large amount of memory.
- When filtering some Microsoft Word (DOC) files, KeyView could return an error (out of process), or exit unexpected (in process).
- When processing some PDF files that contained Form XObjects, KeyView could use a large amount of memory.
- When source code detection was enabled, there was an excessive time penalty for the functions `fpGetOLESummaryInfo()` and `fpGetOLESummaryInfoFile()`.
- For archive formats that were processed by the `multiarcsr` reader, KeyView could fail to extract any subfiles from the archive if one subfile was not valid.
- KeyView sometimes failed to extract some subfiles from Cabinet (.cab) archive files that contained multiple CAB folders and used LZX compression.
- When processing some PPTX files, KeyView could use a very large amount memory.
- Some plain text files were incorrectly identified as `WordStar_Fmt`.
- KeyView could become unresponsive while reading a truncated HTML file.

Requirements

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

Supported Platforms

- CentOS 7 x86 and x64
- 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 10.13 or higher on 32- and 64-bit Apple-Intel architecture
- 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 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
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	xIC_r / cc_r	IBM XL C/C++ Enterprise Edition V8.0
macOS	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 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 (`psts_r`). 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++ 2019 Redistributables (Windows only).

Notes

- The `KVCharSet` enumerated type for character sets has been moved from `kvtypes.h` to `kvcharset.h`.

Documentation

The following documentation was updated for KeyView Filter SDK version 12.6.0.

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