

# KeyView Filter SDK

Software Version 12.4.0

## Release Notes



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The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- 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 12.4.0.

- KeyView format detection has been extended, with support for 60 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 Guide*.
- You can now extract text from PowerBI files that conform to the standard used by PowerBI 1.11.
- KeyView can now extract XrML for RMS\_Protected\_Fmt (pFiles).
- KeyView can now extract XrML from RMS encrypted PDF files.
- XrML subfiles extracted from pFiles or PDF files are identified as XrML.
- KeyView can now retrieve XMP metadata and text from RMS\_Protected\_Fmt (pFiles).
- Autodetection of RMS\_Protected\_Fmt (pFiles) now sets the encryption and RMS encryption flags.
- Autodetection of PDF files now sets the encryption and RMS encryption flags.
- When extracting EML files, the extracted .mail file and metadata now include the Sender field, if it is present in the original file.
- KeyView now supports metadata for encrypted Microsoft Excel Binary files (xlsb).
- Exif 2.32 support for JPG files has been expanded.
- KeyView outputs text from tables in iWork 13 Pages files.
- Summary information for XPS files now includes custom metadata.
- KeyView binaries for 64-bit macOS are now code-signed and notarized (this is required by macOS 10.15 Catalina).
- The OpenSSL library has been updated to version 1.1.1.

# Resolved Issues

The following issues were resolved in KeyView Filter SDK version 12.4.0.

- Some password-protected Powerpoint 97-2003 (PPT) files were not recognized as password protected.
- KeyView could fail to extract summary metadata from some PDF files when all metadata was requested.
- In some cases, a temporary file could be left behind when extracting with ExtractImages enabled.
- Some Microsoft Word (docx) files could take a long time to perform extraction when ExtractImages was enabled.
- KeyView could exit unexpectedly when attempting to filter encrypted Microsoft Word (docx) files when a valid password was provided.
- KeyView could fail to extract subfiles from files containing certain formats of TIFF file when ExtractImages was enabled.
- A potential stability issue when processing Microsoft Visio (VSD) files was resolved.
- KeyView could not extract attachments to MSG files that had file names that consisted entirely of non-valid characters.
- KeyView could time out when extracting with ExtractImages enabled if some of those images were in TIFF format.
- KeyView could time out when processing a corrupt PDF file.
- KeyView could not extract embedded objects from OpenOffice Spreadsheet Template Format Files.
- KeyView could not process OpenOffice Presentation Template Format Files.
- On Windows, KeyView could fail to process Microsoft Outlook (OST) files if the temporary directory contained forward slashes.
- KeyView could return an error (when running out-of-process) or segfault (when running in-process) when extracting some PST files.
- KeyView could return an error (when running out-of-process) or segfault (when running in-process) when processing some ODF\_Text\_Fmt (ODT) files.
- PST files could not be extracted using the pstxsr reader when using stream mode in-process.

# 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 Mountain Lion 10.8 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++ 2010 Redistributables (Windows only).



# 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*