

# KeyView Filter SDK

Software Version 12.7.0

## Release Notes



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## Documentation updates

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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# Contents

New in this Release .....	4
Resolved Issues .....	5
Requirements .....	6
Supported Platforms .....	6
Supported Compilers .....	7
C++ Filter SDK .....	7
Software Dependencies .....	8
Notes .....	9
Documentation .....	10

## New in this Release

This section lists the enhancements to KeyView Filter SDK version 12.7.0.

- 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 be made on how to route, filter, or alert on such documents. For the full list, refer to the *KeyView Filter SDK Programming Guides*.
- Advanced character set detection can be disabled, on a file-by-file basis, through the Filter API. This can reduce the time required to filter some documents. To use this feature set the new filter configuration flag `KVFLT_CHARSETDETECTION`.
- KeyView can extract zip files (`PKZIP_Fmt`) that use the "reduce" compression method.
- The OpenSSL library has been updated to version 1.1.1g.
- KeyView 12.3 introduced the ability to pass license details to KeyView through the C API, rather than including a license file (`kv.lic`) in your application. You can now do the same when using the C++, Java, and .NET APIs.
- In the C extraction API, the extraction timeout now applies to the `GetMainFileInfo` and `GetSubFileInfo` functions.

# Resolved Issues

The following issues were resolved in KeyView Filter SDK version 12.7.0.

- When image extraction was configured by using the API option, KeyView skipped extracting some images from Microsoft Excel (XLS) files with multiple images on multiple worksheets.
- For some invalid Microsoft Word (DOCX) files, KeyView could return an error (out of process), or exit unexpectedly (in process).
- In out-of-process stream mode, when UTF-8 or UTF-16 were requested, some characters could be split across buffers.
- For some PDFs, the output for custom metadata was incorrect.
- Using the Export SDK and the Filter SDK from the same process on Linux could lead to symbol collisions, which could result in a termination of the process.
- KeyView could fail to output all of the text from charts in some Microsoft Excel XLSX files.
- KeyView could fail to output all of the text from the data table associated with a chart in some Microsoft Excel XLS files.
- KeyView returned `KVERR_PasswordProtected` for some PDF files that did not require a password, when the PDF user permissions were stored incorrectly.
- KeyView could fail to extract images from Rich Text Format (.rtf) files when the image data was stored only in a shape's "pib" property.
- For some invalid eml files, KeyView did not output metadata in the correct encoding.
- If a Filter context were used following a failed call to `fpRefreshFilterKV00P`, KeyView could exit unexpectedly.
- KeyView returned `KVERR_badInputStream` for some valid Windows\_Metfile\_Fmt (WMF) files.
- KeyView could leak memory when filtering some XLSM (MS\_Excel\_Macro\_2007\_Fmt) files.
- When processing some VSD (MS\_Visio\_Fmt) files, KeyView could exit unexpectedly when running in process, or return an error when running out-of-process.
- When using `streaming_method=pipe`, the timeout was not respected.
- When using Extract Images, extraction of some XLSM files could result in memory being leaked.

# 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
- macOS 10.13 or later 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++ 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.

# Documentation

The following documentation was updated for KeyView Filter SDK version 12.7.0.

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