

KeyView Filter SDK

Software Version 12.5.0

Release Notes



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New in this Release

This section lists the enhancements to KeyView Filter SDK version 12.5.0.

- KeyView format detection has been extended, with support for 169 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*.
- Detection for the HP_GL_Fmt and HP_GLP_Fmt formats have been improved to correctly detect more files, even if they use some non-standard commands.
- KeyView can now detect whether a file has been encrypted using Seclore encryption.
- KeyView can now extract text from GDSII files.
- KeyView can now extract XMP metadata from GIF files.
- KeyView can now extract XMP metadata from Adobe Photoshop PSD and PSB files.
- You can now configure a new method for communications in KeyView Filter when running out of process, which can improve responsiveness when performing partial filtering, and reduce the amount of disk space used for temporary files. You can turn on this option by setting the new `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.
- KeyView now extracts subfiles that are embedded as `AltChunk` elements in Microsoft Word (`docx`) files.
- The `KVFLT_NOEMBEDDEDOBJECT` flag now suppresses the text from embedded previews of Visio (`VSDX`) files.
- On Windows, KeyView no longer depends on the Visual Studio 2010 redistributable files. It now requires VS2013 and VS2019 redistributable files. These files are provided in the KeyView installation.

Resolved Issues

The following issues were resolved in KeyView Filter SDK version 12.5.0.

- Error messages returned when KeyView attempted to extract certain corrupted attachments to .eml (Mime_fmt) files were unclear (KeyView returned KVERR_General instead of KVERR_badInputStream).
- KeyView filter could return an error (or segfault when running in-process) when filtering certain OpenDocument Text Format (.odt) files with headers and footers enabled.
- In the C++ API, if the write method of the output object that was passed to filter threw an error, a memory leak could occur.
- Fixes were made for some potential security vulnerabilities.
- Some ZIP files were incorrectly detected as Microsoft Word (DOCX) files.
- Some plain text files (ASCII_Text_Fmt) were incorrectly detected as SMTP (SMTP_Fmt) files.
- KeyView did not return some metadata fields from some PDF files.
- KeyView had a memory leak when extracting some password-protected RAR4 files.
- KeyView incorrectly extracted subfiles from some RTF files (MS_RTF_Fmt), resulting in corrupted blocks of content in the extracted subfiles.
- KeyView reported a KVERR_badInputStream when attempting to extract subfiles from some PPT files.

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 12.5.0.

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