KeyView Filter SDK

Software Version 12.2.0

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.
- Software Release Date, which indicates the release date of this version of the software.

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Many areas of the portal require you to sign in with a Software Passport. If you need a Passport, you can create one when prompted to sign in. To learn about the different access levels the portal uses, see the Access Levels descriptions.

Contents

New in this Release

This section lists the enhancements to KeyView Filter SDK version 12.2.0.

- KeyView format detection has been extended, with support for over 30 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 extract subfiles from additional file formats: CPIO (copy-in-and-out archiver), Debian binary package, DOS/Windows Object Library, LZMA compressed data, Mac OS-X executable, MSI (Microsoft Installer), RPM (package manager file), SUN PEX Binary Archive, Windows Imaging Format, and XAR (Extensible Archive).

- KeyView can filter and export documents created in iWorks Numbers 2018.

- Improved support for PST files, when the MAPI-based reader is not used: on Windows (64-bit and 32-bit) and Linux (64-bit) the native PST reader, `pstnsr`, has been replaced with `pstxsr`, which is capable of extracting some PST files that `pstnsr` could not.

- KeyView can extract files from more Microsoft Outlook Offline Folders (OST) files than it could before.

- KeyView can extract XMP metadata on the OSX64 platform.

- You can extract all metadata from subfiles of the EML, MBX, and MIME mail formats, without having to provide a list of metadata field names. (This feature is available in the C API only).

- Some corrupt Microsoft Project (MPP) files can be detected.

- The C++ Filter API can return typed summary information through the `get_summary_information ()` function.

Resolved Issues

The following issues were resolved in KeyView Filter SDK version 12.2.0.

- In some cases, KeyView could incorrectly return an error when processing an XPS file.

- Keyview could not process some Hangul Word (.hwp) documents which contained attached binary data files in mixed or unknown compression states.

- KeyView would fail to output a notes section encoded in Quoted Printable format when extracting summary information from VCF files.

- Date values in an Excel (XLSX) spreadsheet that were formatted as system dates were output as numeric values.

- KeyView failed to process some HWP 3.0 files.

- Filtering iWorks Numbers 13 files to a user-specified encoding resulted in incorrectly encoded output.

- KeyView failed to obtain summary information from some DWG files.

- KeyView failed to filter some invalid HTML files.

- KeyView could fail to release memory when obtaining summary information from a TIFF image with XMP metadata.

- KeyView failed to process some Microsoft Word documents.

- KeyView could produce invalid output when extracting XMP metadata from TIFF files.

- Attachments were not extracted correctly from ICS files when the attachments were encoded as plain text, or were specified as URIs.

- The output from some Microsoft Word (.doc) files contained some meaningless text.

- KeyView failed to process some Microsoft Excel (.xlsx) files with merged cells.

- In some circumstances, KeyView could fail to process some Excel documents that contained text boxes.

- KeyView failed to filter some HTML files when the temporary directory was set to the working directory.

- KeyView failed to extract images from some Excel (.xlsx) files.

- KeyView failed to extract JAR, WAR and EAR files.

- Some MySQL_Table_Fmt format files were not identified correctly.

- Some files were incorrectly identified as Uniplex_WP_Fmt.

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: KVError_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*