

KeyView Export SDK

Software Version 12.6.0

Release Notes



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Contents

New in this Release	4
Resolved Issues	5
Requirements	6
Supported Platforms	6
Supported Compilers	7
Software Dependencies	7
Notes	9
Documentation	10

New in this Release

This section lists the enhancements to KeyView Export 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 Export SDK Programming Guides*.
- KeyView includes new readers so that you can perform a text-only HTML export for 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 provides additional information about the way a document has been partitioned into multiple HTML files, and greater control over where the partitions should occur:
 - The C API for HTML Export now provides a function `fpGetPartitionInfoList()`, which allocates and fills a list of partitions, including the corresponding anchor name, the reason the partition was created, and the partition's dimensions.
 - The C API for HTML Export now provides a function, `fpSetPartitionOn`, which determines when KeyView partitions its output. It is now possible to partition on hard breaks without partitioning on headings, and to partition on page size changes.
- KeyView contains some updates to support recent changes in major file formats:
 - KeyView supports the new `xxx-large` value for the CSS `font-size` property, so that text in the output from KeyView Export is appropriately sized.
- KeyView now has additional support for RMS protected files:
 - KeyView can now extract XrML from PPT and PPS documents.

Resolved Issues

The following issues were resolved in KeyView Export SDK version 12.6.0.

- KeyView failed to process some Microsoft PowerPoint (.pptx) files that contained shapes with a FontReference <fontRef> element without any child element.
- KeyView failed to fully process some Rich Text Format (.rtf) files that contained null characters.
- KeyView did not output metadata for some files if the metadata length was greater than a particular internal buffer size.
- KeyView would fail to detect Seclore encryption for Unknown_Fmt files when running out of process. (KeyView returns Unknown_Fmt because encryption obscures the file format, but can still detect that the file is encrypted).
- Certain crafted Microsoft Word (DOCX) files could cause KeyView to use a very large amount of memory, or to exit unexpectedly.
- On Linux platforms, KeyView could become unresponsive when processing certain Microsoft Word (DOCX) files.
- For some Microsoft Excel (XLSX) files that contained cells with custom formatting, such as dates, KeyView could output unformatted numbers.
- For B2 compressed files, extracting files in stream mode could return an error (out of process), or exit unexpectedly (in process).
- For Microsoft Word documents (DOC), KeyView sometimes missed footnotes that were not auto-numbered.
- KeyView could fail to process some custom metadata.
- KeyView could take a long time to process PDF files that contained detailed vector graphics.
- KeyView could fail to get XMP metadata from some PDF files.
- Subfiles that were extracted from Rich Text Format, Microsoft Project, OpenDocument Presentation, Legato Extender and BinHex files without names had autogenerated names that included the name of the parent file. Reported subfile names are now independent of the parent file name, in line with the rest of the Extraction API.
- When processing some PDF files that contained Form XObjects, KeyView could use a large amount of memory.
- 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.

Requirements

This section lists the supported platforms, supported compilers, and software dependencies for the KeyView Export 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	xlC_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

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 (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: 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.
- 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 Export SDK version 12.6.0.

- *KeyView Export SDK: HTML Export C and COM Programming Guide*
- *KeyView Export SDK: HTML Export Java Programming Guide*
- *KeyView Export SDK: PDF Export C Programming Guide*
- *KeyView Export SDK: XML Export C Programming Guide*
- *KeyView Export SDK: XML Export Java Programming Guide*