



KeyView Filter SDK

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Release Notes

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New in this Release

This section lists the enhancements to KeyView Filter SDK version 11.6.0.

- KeyView can now filter Unigraphics NX files.
- KeyView can now filter iWork KeyNote 2016 files.
- KeyView can now detect STEP (ISO 10303-21) CAD files.
- KeyView can now detect 3D Systems STL files.
- KeyView now supports the Microsoft Word flat XML format.
- When filtering a Word Document (.docx) with show hidden text enabled, KeyView now outputs the targets of each hyperlink in addition to the link text.
- Glyph index fonts are now excluded from the filter output for EMF files, resulting in cleaner output.
- When filtering Microsoft PowerPoint (PPT) presentations, KeyView can now filter title text that uses strike-through formatting.

Resolved Issues

The following issues were resolved in KeyView Filter SDK version 11.6.0.

- KeyView failed to process some EMF files.
- KeyView failed to process some Microsoft Excel (XLS) files.
- Processing XPS files could result in temporary files being created but not deleted.
- KeyView failed to release memory when processing some XPS files.
- KeyView could fail to extract Outlook OST files in stream mode.
- KeyView could return an error when filtering a blank RTF file.
- Custom metadata was not extracted from Microsoft Excel (.xlsx) files.
- Folded lines in Microsoft iCalendar (.ics) files were not handled correctly.
- KeyView failed to process some Microsoft Word (.docx) files.
- Headers and footers could be incorrectly encoded in Microsoft Word (.docx) documents containing numeral lists.
- PDF glyph name extensions could prevent characters from being looked up correctly and cause question mark characters to appear in KeyView output.
- In some circumstances an EML file could be misidentified as an MHT file.
- Formatting codes and control characters could appear in filtered text generated from headers and footers of Microsoft Excel (XLSX) files.
- Incorrect characters could appear in the output when HWP files were filtered.
- On OSX, the installers used an incorrect name for the `libKeyViewFilter.jnilib` library, which prevented the use of the Java SDK unless the binary was renamed.
- KeyView could time out when processing a corrupt PDF file.
- Metadata was not extracted correctly from rich text (RTF) files when some character encodings were used.
- Text was not always converted to the correct output encoding when processing files with Rich Text Format (RTF) that had large font tables.
- On Linux platforms, KeyView binaries sometimes exported the symbols for some third-party libraries, which could cause conflicts when calling code that used different versions of the same libraries.
- Issues with RAR file extraction related to the VMSF_DELTA vulnerability were resolved.
- Spaces were sometimes missing between words in some PDF files.
- Content was not extracted beyond the 256th column in Microsoft Excel (XLSX) files.
- The character encoding of the extracted text was incorrect for some MSG files.

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 |
| 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 | Sun C 5.8 Patch 121015-06 2007/10/03 |

| Platform | Architecture | Compiler Name | Compiler Version |
|----------|-------------------------------|---------------|--|
| | | 11 | |
| 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 and .NET Components

| Component | Compiler |
|-----------------|---|
| Java components | Java 1.5 |
| .NET components | Microsoft Visual J# 2005 Compiler 8.00.50727.42 |

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 client or later versions is required when processing Microsoft Outlook Personal Folders (PST) files using the MAPI-based reader (`pstsr`). The native PST reader (`pstnsr`) does not require an Outlook client.

NOTE:

If you are using 32-bit KeyView, you must install 32-bit Outlook. If you are using 64-bit KeyView, you must install 64-bit Outlook.

If the bit editions do not match, 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.

Additionally, KeyView displays the following return code:

Error 32: KVErrror_PSTAccessFailed.

- 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 .NET Framework SDK version 2.0, Microsoft .NET Framework version 2.0 Redistributable Package is required if you are programming in a .NET environment.
- 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 Java Programming Guide*
- *KeyView Filter SDK .NET Programming Guide*