



# KeyView Export SDK

Software Version: 11.6.0

## Release Notes

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## New in this Release

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

- 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.
- You can now output Microsoft PowerPoint presentations in logical reading order when using non-rasterized HTML output. By default, when you set `bRasterizeFiles` to **FALSE** in the `KVHTMLOptionsEx` configuration, the export process uses the ordering in the file to produce the output, which does not necessarily match the logical reading order for the presentation. To use a logical reading order instead, you can set the `LogicalOrder` parameter in the `[Options]` section of `formats_e.ini`. For example:

```
[Options]
LogicalOrder=1
```

- Right-to-left language support in Microsoft Word documents has been improved.
- (XML export only) For some file types, KeyView can now produce details of the number and dimensions of images that it will create, before it runs the export. You can use this feature by using the new functions `fpGetOutputImageInfos()`, `fpGetOutputImageCount()`, `fpGetOutputImageInfo()`, and `fpFreeImageInfos()`, and the new structure `KVXMLImageInfo`. For more information, refer to the *KeyView XML Export Programming Guide*.
- You can now set a minimum size limit (in pixels) for images to export from Spreadsheet files by using the new `process_images_with_min_width` and `process_images_with_min_height` configuration options in the `filter_e.ini` configuration file. For example:

```
[ss_flags]
process_images_with_min_width=150
process_images_with_min_height=250
```

# Resolved Issues

The following issues were resolved in KeyView Export 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 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.
- 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.
- For some documents, hyperlinks could incorrectly extend to the end of the output HTML.
- (HTML export only) The HTML output for some rich text (RTF) files contained unnecessary indents and repeated bullet points.
- In some circumstances, HTML elements were closed in the wrong order.
- In some cases, the HTML for RTL (right-to-left) text would cause it to be displayed incorrectly.
- The character encoding was incorrect for some DOC files.
- On Windows, some KeyView APIs no longer accepted UTF-8 file names.
- Slide numbering was incorrect for some Microsoft PowerPoint (PPTX) presentations.
- (HTML export only) The tabbed output view for spreadsheets would not switch to an empty sheet.
- 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 Export 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

## 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: KVErrors\_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 Export SDK: HTML Export Java Programming Guide*
- *KeyView Export SDK: HTML Export C and COM Programming Guide*
- *KeyView Export SDK: XML Export C Programming Guide*
- *KeyView Export SDK: XML Export Java Programming Guide*