

# KeyView Export SDK

Software Version 12.7.0

## 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. If you need an account, you can create one when prompted to sign in. To learn about the different access levels the portal uses, see the [Access Levels descriptions](#).

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# New in this Release

This section lists the enhancements to KeyView Export SDK version 12.7.0.

- KeyView format detection has been extended, with support for 45 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*.
- The SDK includes a reference implementation that exports documents to HTML and demonstrates the partitioning functionality that was introduced in KeyView 12.6. The reference implementation includes a library, written in C++, that provides a simple interface to HTML Export. The library offers the following features out-of-the-box:
  - A "print" view for word-processor documents. This creates a web page containing a representation of the original document, which is easy to read because it uses the correct page widths and margins.
  - A "tabbed" view for spreadsheet files. This shows spreadsheets using a familiar tabbed interface, with one worksheet on each tab.
  - A "list" view for presentations. This displays multiple slides, arranged in a vertical column one after another, on a single web page.
  - A "full screen" view for presentations. This displays one slide at a time. You can navigate between slides using the arrow keys on your keyboard or the scroll wheel on your mouse.

You can use the library in your own product, or review the source code to help you learn how to use the C API, which provides much greater flexibility.

- Significant improvements have been made to SVG output:
  - KeyView now uses HTML specified by the user to highlight text in SVG output.
  - SVG output has improved text formatting support for bold, italic, line-through, underline and rotation.
  - SVG output now has support for bullet points.

SVG output in HTML Export now includes graphic elements as well as plain text. Charts, slides in presentations and other vector graphics are output in a high quality scalable form that you can zoom into or print in your browser without loss of quality. Text in from those graphics appears in the browser as text (rather than as a picture of text), so you can find and copy it to the clipboard in your browser and highlight it with KeyView highlighting options using the same style as in the rest of your HTML.
  - SVG output now includes gradients.
- KeyView can extract zip files (PKZIP\_Fmt) that use the "reduce" compression method.
- The OpenSSL library has been updated to version 1.1.1g.
- KeyView 12.3 introduced the ability to pass license details to KeyView through the C API, rather

than including a license file (`kv.lic`) in your application. You can now do the same when using the Java and .NET APIs.

- For Microsoft Office bar of pie and pie of pie charts, KeyView now displays a standard pie chart showing the data (Previously nothing was shown).
- The `fpGetOutputImageCount()` and `fpGetOutputImageInfos()` functions in the HTML Export SDK now report the image dimensions for raster image formats (they report a single image with appropriate dimensions).
- In the C extraction API, the extraction timeout now applies to the `GetMainFileInfo` and `GetSubFileInfo` functions.
- HTML Export can now convert files that are RMS encrypted.
- On Microsoft Windows platforms, HTML Export now has a `GraphicFontScale` option that you can use to specify a scaling factor for all text rendered into images. Setting this value to slightly less than 1 can help prevent wrapping or truncation of text that tightly fits its box when KeyView does not have access to exactly the correct font.

## Resolved Issues

The following issues were resolved in KeyView Export SDK version 12.7.0.

- For some invalid Microsoft Word (DOCX) files, KeyView could return an error (out of process), or exit unexpectedly (in process).
- The `fpSetPartitionOnfunction` had no affect when out-of-process.
- When partitioning on hard breaks was enabled, KeyView did not report changes in page dimension correctly.
- Using the Export SDK and the Filter SDK from the same process on Linux could lead to symbol collisions, which could result in a termination of the process.
- KeyView could fail to output all of the text from charts in some Microsoft Excel XLSX files.
- KeyView could fail to output all of the text from the data table associated with a chart in some Microsoft Excel XLS files.
- KeyView returned `KVERR_PasswordProtected` for some PDF files that did not require a password, when the PDF user permissions were stored incorrectly.
- When exporting Health Level 7 (.hl7) files to XML without setting the `KVCFG_DISABLEZONE` configuration flag, KeyView could produce mismatched `<Zone>` tags.
- Keyview could output images with incorrect aspect ratio if they were rotated within a Microsoft Powerpoint (.pptx) document. This issue is not present for SVG output, and on PNG and JPEG it has been resolved on Microsoft Windows only.
- KeyView could fail to output images from Rich Text Format (.rtf) files when the image data was stored only in a shape's "pib" property.
- For some invalid eml files, KeyView did not output metadata in the correct encoding.
- Text that contained subscripts was sometimes missing from presentation graphics formats.
- In Microsoft Office bar graphs, the overlap of bars could be shown incorrectly.
- When processing some VSD (MS\_Visio\_Fmt) files, KeyView could exit unexpectedly when running in process, or return an error when running out-of-process.
- Some Microsoft Word documents could cause KeyView to exit unexpectedly when running in process, or return an error when running out-of-process.

# 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
- macOS 10.13 or later 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

## 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++ 2019 Redistributables (Windows only).

## Notes

- The ability to provide KeyView license information as a file (`kv.lic`) has been deprecated. In the C API, the function `fpInit()` has been deprecated. Micro Focus recommends that you use `fpInitWithLicenseData()` instead, so that your license key is passed to KeyView through the API. You should not include license information in your application as a file. `fpInit()` is still available for existing implementations, but it might be incompatible with new functionality and might be removed in future.

# Documentation

The following documentation was updated for KeyView Export SDK version 12.7.0.

- *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*