

KeyView Export SDK

Software Version 12.1.0

Release Notes



Document Release Date: October 2018
Software Release Date: October 2018

Legal notices

Copyright notice

© Copyright 2018 Micro Focus or one of its affiliates.

The only warranties for products and services of Micro Focus and its affiliates and licensors ("Micro Focus") are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Micro Focus shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

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.

You can check for more recent versions of a document through the [MySupport portal](#). Many areas of the portal, including the one for documentation, require you to sign in with a Software Passport. If you need a Passport, you can create one when prompted to sign in.

Additionally, if you subscribe to the appropriate product support service, you will receive new or updated editions of documentation. Contact your Micro Focus sales representative for details.

Support

Visit the [MySupport portal](#) to access contact information and details about the products, services, and support that Micro Focus offers.

This portal also provides customer self-solve capabilities. It gives you a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the MySupport portal to:

- Search for knowledge documents of interest
- Access product documentation
- View software vulnerability alerts
- Enter into discussions with other software customers
- Download software patches
- Manage software licenses, downloads, and support contracts
- Submit and track service requests
- Contact customer support
- View information about all services that Support offers

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 4
- Resolved Issues 5
- Requirements 6
 - Supported Platforms 6
 - Supported Compilers 6
 - Software Dependencies 7
- Documentation 9

New in this Release

This section lists the enhancements to KeyView Export SDK version 12.1.0.

- KeyView format detection has been greatly extended, with support for almost 200 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 Export SDK Programming Guides.
- The HTML Export API can produce previews of large spreadsheets. In a preview, KeyView limits the numbers of rows, columns, and sheets that are exported to HTML. This is useful because web browsers can take a long time, or fail completely, to render spreadsheets with large numbers of cells. To produce a preview through the C API, set the flag `KVCFG_SS_PREVIEW` using the function `fpHTMLConfig()`. To produce a preview through the Java API, use the `setConfigOption()` method to set the option `HtmlExport.CFG_SS_PREVIEW`.
- KeyView can process HTML documents that contain images stored as data URIs (where the image data is included in the HTML source code rather than as a separate file).
- The C, Java, and .NET file extraction APIs have new options that you can use to help secure your application against directory traversal attacks. KeyView can modify absolute paths so that files are always extracted to a location within your chosen extract directory. You can instruct KeyView to sanitize absolute paths programmatically, or by setting the `SanitizeAbsoluteExtractPaths` parameter in the configuration file.
- If, when extracting a subfile, you specify an extract directory and relative path that would cause the file to be created outside of that extract directory, KeyView modifies the path to keep it within the extract directory. This makes it easier for you write code that avoids directory traversal attacks.
- Embedded images that are extracted from Microsoft Word (DOC, DOCX), Excel (XLSX), and PowerPoint (PPT, PPTX) files when `ExtractImages=TRUE`, are now classified as embedded images, embedded icons, embedded content, or embedded previews.
- KeyView now supports text-only export for Star Office Writer, Calc, and Impress (versions 3, 4, and 5).
- KeyView now supports text-only export for iWork KeyNote files (versions 2013, 2016, and iCloud 2018).
- KeyView now supports the AutoCAD DWG 2018 format.
- KeyView now supports Microsoft Project 2016 files.
- KeyView format detection can determine the version for some Microsoft Office zipped XML formats (including for example `MS_Word_2007_Fmt`, `MS_Excel_2007_Fmt`, `MS_PPT_2007_Fmt`, and `MS_Visio_2013_Fmt`). This means you can determine which version of the application, for example Word 2013 or Excel 2016, was used to create the document.
- The OpenSSL library has been updated to version 1.0.2o.

Resolved Issues

The following issues were resolved in KeyView Export SDK version 12.1.0.

- KeyView was susceptible to security vulnerabilities involving malicious HTML and PDF files.
- KeyView failed to release memory when processing any file.
- KeyView could leak file handles on non-Windows platforms when performing autodetection on some file types.
- KeyView failed to process some multimedia files.
- When exporting Microsoft Word documents with right-to-left text, KeyView could map text to the wrong table cells.
- Java API extract methods could terminate unexpectedly when working with stream input.
- In the Java SDK, the `HtmlExport.extOpenDocument` and `XmlExport.extOpenDocument` methods could terminate unexpectedly when KeyView initialization failed.
- Some files were incorrectly identified as DXF files.
- Some MPEG Sequence files were not detected correctly.
- KeyView was updated to resolve a vulnerability in RAR extraction (see <https://cve.mitre.org/cgi-bin/cvename.cgi?name=2018-10115>).
- KeyView could terminate unexpectedly when exporting images on Windows Server 2012.
- KeyView could terminate unexpectedly when `fpGetStreamInfo()` was used for multiple PDF files on multiple threads with the PDF2 reader.
- KeyView did not extract subfiles from ODF formula files.
- KeyView failed to extract OLE subfiles from Haansoft Hangul 2002+ (HWP) documents.
- (HTML Export) The example stylesheet `WordStyle.css` contained some incorrect CSS.

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

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

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.
- 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 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*