IDOL
KeyView Export SDK

Software Version 12.13.0

Release Notes

Micro Focus®

Legal notices

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.

To check for updated documentation, visit https://www.microfocus.com/support-and-services/documentation/.

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:

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

Many areas of the portal require you to sign in. If you need an account, you can create one when prompted to sign in.

Contents

New in this Release

This section lists the enhancements to KeyView Export SDK version 12.13.0.

- KeyView format detection has been extended, with support for 51 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 now includes support for the primary image from .heic and .heif image format files. You can now export these files, and perform Optical Character Recognition (OCR), if OCR is enabled in your license.

- KeyView now includes support for the WebP image format.You can now export these files, and perform Optical Character Recognition (OCR), if OCR is enabled in your license.

- (XML Export only) the `fpGetSteamInfo` function can now run out-of-process.

- **(Security update)** KeyView has been hardened against potential exploits when loading the configuration file.

- When exporting files, if KeyView is unable to read the configuration file (`formats_e.ini` or a user specified Export data file) file, KeyView might now return a new error code, `KVError_InvalidConfigurationFile`. Previous versions of KeyView returned `KVERR_FormatNotSupported`.

- OCR accuracy has been improved for some files.

- The PDF reader (pdfsr) has been improved for Arabic text in some circumstances. When you use Microsoft Print to PDF to convert Word documents that contain Arabic text in Calibri font to PDF, the resulting file is often incomplete: information which is required to interpret the text content is missing. The PDF reader (pdfsr) is now able to reconstruct this missing information, so that all letters are output correctly.

- The sample test documents in the Export SDK installation have been updated and improved.

- When processing charts in Word (DOCX) files, KeyView now outputs the data table for the chart, if the data table would be displayed by Microsoft Word. If the data table is switched off, KeyView outputs the table only if you have configured it to show hidden info.

- KeyView now supports long directory paths (more than 255 characters) for the KeyView directory arguments to KeyView SDK initialization functions (for example `fpInitWithLicenseData`).

- For MS_Word_2007_Fmt documents, when "show hidden text" is configured, KeyView now outputs content for both Choice and Fallback options of `AlternateContent`.

- On non-Windows platforms, HTML Export now better estimates the size of text, and therefore positions soft breaks more similarly to those on Windows.

- When retrieving subfile information for subfiles in ZIPs, Microsoft Word (DOCX), Microsoft Excel (XLSX), and Microsoft PowerPoint (PPTX) files, KeyView now reports the CRC32

checksum for any subfiles for which a checksum is stored.

- The third-party zlib library has been upgraded to version 1.2.12.

- **(Security update)**The third-party openssl library that is included in KeyView builds has been upgraded to version 1.1.1q.

> **IMPORTANT:** The `cryptographyservices.dll` that is included in the KeyView installation still uses openssl 1.1.1n. This DLL is used only for RMS decryption, which is optional and separately licensed.

- The C API sample program makefiles have been improved to make them easier to use:
  - They have been renamed to make it easier to identify which makefile to use for your platform.
  - They now follow the standard pattern of placing objects and built binaries in "obj" and "bin" folders.

- Improvements have been made to partitioning on soft breaks for Word Processing documents that contain tables or columns.

- KeyView can now extract the subfiles from Unix_Archive_Fmt files.

- The third-party libxml2 library has been upgraded to version 2.9.14.

- When converting PDF files to HTML using the pdf2sr reader, you can now specify which pages to output by using `fpSelectPDFPages`.

Resolved Issues

The following issues were resolved in KeyView Export SDK version 12.13.0.

- **(Security update)** The third-party p7zip library has been updated to version 17.04 (on `LINUX`, `LINUX_X86_64`, `LINUX_ARM`, `MACOS_M1`, and `MACOS_X86_64` platforms).

- KeyView could terminate unexpectedly in-process, or return an error out-of-process, when performing detection on some ICO files.

- (XMLExport Only) KeyView would output an extra space whenever a link was encountered in HTML documents.

- KeyView could incorrectly identify Headings for documents that were encoded in a non-8bit character set.

- KeyView output invalid characters when processing East Asian numerals in numbered lists in DOCX files.

- KeyView failed to extract 64-bit self extracting RAR_Fmt archives.

- KeyView skipped spaces when formatting numbers in ODF_Spreadsheet_Fmt (ODS) files.

- KeyView suffered stability issues when running out-of-process in a multi-threaded environment.

- KeyView could omit the alt text for some images in Microsoft Word (.docx) formats.

- **(Security update)** A potential command injection attack was fixed on non-Windows platforms.

- **(Security update)** The third-party expat library has been upgraded to version 2.4.9 to resolve known vulnerabilities in that library, including CVE-2022-40674, CVE-2022-25235, CVE-2022-25236, CVE-2022-25313, CVE-2022-25314, CVE-2022-25315, CVE-2022-23852, CVE-2022-23990, CVE-2021-45960, CVE-2021-46143, CVE-2022-22822, CVE-2022-22823, CVE-2022-22824, CVE-2022-22825, CVE-2022-22826 and CVE-2022-22827.

- **(Security update)** The third-party lz4 library has been upgraded to version 1.9.4, which fixes vulnerability CVE-2021-3520.

- When using the `kvhtmlexport` reference implementation to process a file with multiple mail subfiles containing embedded pictures, multiple pictures were sometimes exported to the same file path, meaning that the wrong images were displayed in the HTML rendering of some of the emails.

- KeyView did not get all the summary metadata for some HTML files with multiple head/body tags.

- KeyView sometimes missed formatted text in iWork Numbers files.

- Page numbers in PowerPoint (PPTX) presentations were sometimes output as placeholders.

- KeyView could skip embedded images in some DOCX files.

- KeyView could terminate unexpectedly (in-process, stream mode) when attempting to process the `FILENAME` field in Microsoft Word 95 (MS_Word_95_Fmt) documents.

Requirements

For information about supported platforms, supported compilers, and software dependencies for the KeyView Export SDK, refer to the *KeyView Export SDK Programming Guides*.

Notes

Deprecated Features

The following features are deprecated and might be removed in a future release.

Category	Deprecated Feature	Deprecated Since
C API	The `KVMemoryStream` structure and all uses of it are deprecated. KeyView does not guarantee to make memory allocations through this structure, and it might be removed in future.	12.10.0
Licensing	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.	12.7.0

Documentation

The following documentation was updated for KeyView Export SDK version 12.13.0.

- *KeyView Export SDK: HTML Export C 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*