

IDOL

KeyView Filter SDK

Software Version 12.10.0

Release Notes



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- Software Version number, which indicates the software version.
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New in this Release

This section lists the enhancements to KeyView Filter SDK version 12.10.0.

- KeyView format detection has been extended, with support for 23 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 Filter SDK Programming Guides*.
- KeyView can filter text from Apache ORC (Optimized Row Columnar) data, on Windows (x86_64), Linux (x86_64 and AArch64), and macOS (M1).
- Text filtering support for the file formats AutoCAD_DXF_Binary_Fmt, AutoCAD_DXF_Text_Fmt, and AutoDesk_DWG_Fmt has been extended to the MacOS_M1 platform.
- KeyView can report whether a document (in DOCX, XLSX, PPTX, or PDF format) is protected by write restrictions. A write restriction is defined as any restriction, enforced by a password, that prevents a user from editing the document content. For example, a Microsoft Word document can be configured to permit only tracked changes.
- KeyView can be configured to extract all metadata from MSG (MS_Outlook_Fmt) files, using the C and Java APIs.
- The Java file extraction API provides a way to extract all metadata from subfiles of EML, MBX, MIME, NSF, ICS, and DXL mail containers. In previous versions of KeyView this feature was available only in the C API.
- You can perform the following operations through the Java API. In earlier versions of KeyView these features could only be used through the C API or by setting parameters in `formats.ini`.
 - Extend file format detection by detecting source code
 - Detect tables in PDF files
 - Enable tab delimited output for embedded tables
 - Exclude phonetic guide text
 - Standardize cell formats in Excel sheets
 - Extract hidden sheets
 - Extract formulas from Excel sheets
 - Extract images
 - Set the extraction timeout
 - Extract XMP metadata
- KeyView has been updated so that it will be able to extract Microsoft Information Protection (MIP) sensitivity label metadata, following upcoming changes by Microsoft to the location in which this metadata is stored.

- When Azure RMS credentials are configured, KeyView can decrypt `rmsg` subfiles from Microsoft Outlook restricted permission messages, providing access to the message body and attached files. Attached messages are not currently supported.
- The Filter API (C and Java) has new fine-tuning options so that you can optimize the performance of Optical Character Recognition.
- KeyView can filter text from XFA-based PDF forms using the `pdfsr` reader. When hidden text extraction is enabled, KeyView also filters the JavaScript that can manipulate the form.
- Improved performance for the Microsoft Excel reader (`xlsxr`).
- Improved the speed of extraction from Microsoft Excel (`.xlsx`) files when `extract images` is enabled, especially when there are no images to extract.
- The `filtertest` program outputs text in UTF-8 by default on Windows, instead of the local Windows code page.
- The sample programs in the Java SDK output text in UTF-8 by default.
- The Expat third-party library has been upgraded to version 2.4.1.

Resolved Issues

The following issues were resolved in KeyView Filter SDK version 12.10.0.

- Some `Chrome_Extension_Fmt` files were incorrectly detected as `PKZIP_Fmt`.
- `KeyView (xmlsr)` could return success when processing an XML file had failed due to the XML being invalid.
- `KeyView` could use the wrong email format in the From, To, Cc, and Bcc fields, and include unprintable characters at the start of the Subject field, when processing PST files (`MS_OutlookPST_Fmt`) using the reader `pstxsr`.
- `KeyView` returned an error (when running out-of-process), or terminated unexpectedly (when running in-process) when processing some Microsoft Word (.doc) files containing footnotes and tables.
- Some text could be missed when processing some Microsoft Word (.doc) files.
- `KeyView` could leak memory when partially filtering a PDF file using the reader `pdfsr`.
- `KeyView` took a long time to filter Microsoft Excel files containing a large PivotTable data cache, when hidden text extraction was enabled.
- `KeyView` could return success if an error occurred when getting summary information out-of-process.
- Text that was correctly filtered prior to an error was not made available in file-output mode when running out-of-process.
- `KeyView` could miss subfiles of some PDF files. This happened when those PDF files stored subfiles in a tree structure multiple levels deep.
- `KeyView` failed to extract files stored as hard links within a RAR5 archive. Links within the archive are now followed so that extracting a link will result in the shared file content being extracted.
- `KeyView (pdfsr)` could fail to retrieve some characters from PDF documents, when an identical character occurred in close proximity.
- The execute bit (file system permission) was not set for some of the executable files in the SDK.
- `KeyView` could exit unexpectedly (in-process) or return no information (out-of-process) when getting summary information for `ODF_Text_Master_Fmt` and `ODF_Text_Web_Fmt` files.
- `KeyView` could fail to process some MHTML (`MHT_Fmt`) files where the initial `<HTML>` tag had been omitted.
- `KeyView` would attempt source code detection on the plain text mail body extracted from `MIME_Fmt (EML)` files.
- Processing very large OpenDocument Text files could cause heap corruption (in the `kvoop` process, if running out-of-process).

Requirements

For information about supported platforms, supported compilers, and software dependencies for the KeyView Filter SDK, refer to the *KeyView Filter 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 <code>KVMemoryStream</code> structure and all uses of it are deprecated. <code>KeyView</code> 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 <code>KeyView</code> license information as a file (<code>kv.lic</code>) has been deprecated. In the C API, the function <code>fpInit()</code> has been deprecated. Micro Focus recommends that you use <code>fpInitwithLicenseData()</code> instead, so that your license key is passed to <code>KeyView</code> through the API. You should not include license information in your application as a file. <code>fpInit()</code> 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 Filter SDK version 12.10.0.

- *KeyView Filter SDK C Programming Guide*
- *KeyView Filter SDK C++ Programming Guide*
- *KeyView Filter SDK Java Programming Guide*
- *KeyView Filter SDK .NET Programming Guide*