

IDOL

# KeyView Export SDK

Software Version 12.11.0

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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# Contents

New in this Release .....	4
Resolved Issues .....	5
Requirements .....	7
Notes .....	8
Documentation .....	9

## New in this Release

This section lists the enhancements to KeyView Export SDK version 12.11.0.

- KeyView format detection has been extended, with support for 36 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*.
- Improved compiler support for the C SDK on Linux and MacOS Apple-Intel 64-bit platforms, so that you can compile your application with newer compilers.
- The C file extraction API provides a way to open a subfile as an input stream.
- KeyView sets the flag `KVSubFileInfoFlag_Secure` when you get subfile information using the reader `multiarcsr` and the subfile is encrypted. In earlier versions of KeyView, this flag was set only for ZIP, RAR, and PDF files.
- The HTML Export Java API has been updated to expose features that were previously available only in the C API. You can now configure KeyView to export partition information and revision tracking information.
- Subfiles of containers can be viewed using the HTML Export reference implementation.
- XML Export can extract text and detect tables in standalone raster images using Optical Character Recognition (OCR). This feature is licensed separately.
- KeyView can render a wide range of SmartArt diagrams in Microsoft Word (.docx) documents.
- KeyView can extract Excel formulas that contain functions added in recent versions of Excel (when you configure KeyView to extract the formula instead of or in addition to the cell value). In previous versions of KeyView these functions appeared in the output with an `_x1fn.` prefix.
- KeyView can extract files that are embedded in Microsoft PowerPoint (.pptx) master and layout slides.
- KeyView reports extended file names for subfiles that are extracted from TAR files with PAX headers.
- A file named `format_descriptions.tsv` is included in the KeyView `bin` directory. This provides a mapping between file format ID, human-readable format description, and the format's MIME type (if one exists). This file is in tab-delimited format, and the tab character will only appear as a delimiter. This information is also available in the KeyView documentation but the TSV file provides it in a machine-readable format.

## Resolved Issues

The following issues were resolved in KeyView Export SDK version 12.11.0.

- **(Security update)** The third-party ODA library has been upgraded to version 2022.12 to resolve known vulnerabilities, including CVE-2021-3711, CVE-2021-3712, CVE-2021-32936, CVE-2021-32938, CVE-2021-32940, CVE-2021-43274, CVE-2021-43391, CVE-2021-43582, CVE-2021-44047, CVE-2021-44048, CVE-2021-44422, and CVE-2021-44423.
- **(Security update)** The third-party Snappy library has been upgraded to version 1.1.9 on Windows, Linux, and MacOS. This resolves a possible vulnerability, CVE-2018-7577. Snappy 1.1.2 is still used on SOLARIS\_X86\_64.
- **(Security update)** The third-party PDFium library has been upgraded to version chromium/4500, to resolve multiple security vulnerabilities.
- Some MIME\_Fmt files with unusual repeated headers were incorrectly identified as ASCII\_Text\_Fmt.
- KeyView could terminate unexpectedly if it was not able to read the `formats_e.ini` configuration file.
- KeyView could return invalid characters when processing some PDF files using the reader `pdf2sr`.
- KeyView could stop responding (in-process) or time-out (out-of-process) when attempting to extract images from some Microsoft Word (.doc) files.
- KeyView returned the error code `KVERR_badInputStream` when attempting to extract some valid PKCS #7 signed-data files, rather than `KVERR_FormatNotSupported`.
- KeyView could stop responding (in-process) or time-out (out-of-process) when processing some PDF files with circular references.
- When getting subfile information, some formats would not contain file hierarchy information, or that information would be incorrect.
- KeyView could stop responding (in-process) or time-out (out-of-process) when attempting to process corrupt Microsoft PowerPoint (.PPT) files.
- KeyView could stop responding (in-process) or time-out (out-of-process) when attempting to process corrupt OLE based files.
- The function `fpGetPartitionInfoList`, in HTML Export, was not ABI backwards compatible.
- KeyView could terminate unexpectedly when processing files with a long URL.
- KeyView would stop responding (in-process) or time-out (out-of-process) when attempting to process some ODF Spreadsheet (ODF\_Spreadsheet\_Fmt) files that had extremely small or extremely large values.
- KeyView did not set `KVMainFileInfoFlag_HasContent` in the `KVMainFileInfo infoFlag` field for Microsoft Visio (MS\_Visio\_Fmt) files.

- KeyView could terminate unexpectedly (in-process) or return an error (out-of-process) when attempting to detect the format of some text documents.
- KeyView returned `KV_ERR_badInputStream` for some compressed PDF documents.
- An unhandled exception could occur when KeyView processed some custom format strings in Microsoft Excel (.xlsx) files.

# 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

- KeyView 12.11 drops support for Linux distributions using a `glibc` version earlier than 2.17, including Red Hat Enterprise Linux 6 and SuSE Linux Enterprise Server 11. Please refer to the documentation for the list of supported platforms.
- The HTML Export reference implementation now requires C++11 to build.

### 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. 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 ( <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 KeyView 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 Export SDK version 12.11.0.

- *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*