

IDOL

KeyView Viewing SDK

Software Version 12.12.0

Release Notes



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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.
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New in this Release

This section lists the enhancements to KeyView Viewing SDK version 12.12.0.

- KeyView format detection has been extended, with support for 30 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 Viewing SDK Programming Guide*.
- **(Security update)** KeyView has been hardened against DLL and shared library preloading attacks. KeyView now only loads shared libraries from the specified bin directory.
- **(Security update)** To improve security, WINDOWS_X86 and WINDOWS_X86_64 binaries are built with Control Flow Guard enabled.
- Tagged Image File Format (TIFF) support has been extended to handle a wider range of TIFF subsets and extensions.
- When processing Microsoft Excel (XLSX) files with cells that contain rich data, like Stocks or Geography, KeyView now outputs the value of those cells, for example the company or country name. Rich Data types were added to Excel in version 1810 (Build 11001.20074).
- KeyView now handles files which contain embedded PHP, but are otherwise valid HTML files. Any embedded PHP is excluded from the output.
- When you filter or export an RMS-encrypted Office or RPMSG file but have not specified RMS credentials, KeyView returns a new error code, `KVError_RMSCredentialsRequired`. Previous versions of KeyView returned `KVERR_PasswordProtected`. This does not apply to RMS-encrypted pFiles and PDFs, because KeyView can perform some processing of these formats without RMS credentials.
- The `libtiff` third-party library has been upgraded to version 4.3.0.
- The `px1sr` reader has been added for viewing HP PCL XL documents.

Resolved Issues

The following issues were resolved in KeyView Viewing SDK version 12.12.0.

- **(Security update)** The third-party OpenSSL library was updated to version 1.1.1n to resolve a security vulnerability, CVE-2022-0778.
- **(Security update)** KeyView could terminate unexpectedly (in-process), or report an error (out-of-process) when attempting to process some TAR archive format (.tar) files containing very long subfile names.
- When processing some PDFs using the reader `pdfsr`, KeyView could fail to output some text or could output meaningless characters instead of the correct contents of the file.
- KeyView did not output some annotations from PDF files.
- **(Security update)** KeyView could stop responding when attempting to process malicious PDF files with invalid page trees.
- **(Security update)** KeyView could use an excessive amount of memory and stop responding when attempting to process some corrupt Microsoft OneNote (.one) files.
- Some numbers in Microsoft Excel (.xlsx) files were formatted incorrectly if the global locale had been modified by the calling code.
- When processing dates in some Microsoft Excel (.xlsx) files, KeyView would output a date 4 years later than the correct date.
- In Microsoft Word (.docx) files, text from an Ask field was incorrectly included in the output.
- **(Security update)** KeyView could terminate unexpectedly when attempting to print spreadsheet formats.
- KeyView could take a very long time to display spreadsheets that had a very large number of rows and appear unresponsive.

Requirements

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

Documentation

The following documentation was updated for KeyView Viewing SDK version 12.12.0.

- *KeyView Viewing SDK Programming Guide*