

Intella 2.4.2 Release Notes

Released: **May 20** , 2021

Highlights

- Added support for **X-Ways images** (CTR and E01 files).
- Added the ability to **edit source settings**.
- Added a **case log analysis** utility, providing instant insight into common case errors.
- Added support for displaying **HEIC/HEIF images**.
- IntellaCmd.exe can now handle **keystore** information.
- Faster creation of **ICF files**.

Dongle Manager

- Various usability improvements.

Case Manager

- Case templates now carry across the tag colors.
- Resolved an issue with cases made with Intella/Connect 2.0.x and 2.1.x failing to open in 2.4.x.

Indexing - General

- Added the ability to edit source settings. Before, only a source's name, evidence folder and time zone could be altered. Now, settings such as the types and hash lists used to filter items during indexing, options to recover information, and other options can also be edited. Note that most source setting changes are applied during indexing, and therefore require the source to be re-indexed to take effect.
- Added a log analysis utility. This new functionality scans the case log files for known errors, provides a high-level overview of the issues that it finds, and gives directions on how to resolve them. To use this functionality, choose Help > Scan Logs For Errors.
- Improvements to the processing of MS Teams data:
 - Enhanced the textual representation of chat messages.
 - Populated the Recipient Count column.
 - Stability improvements.
- Improvements to the processing of Cellebrite reports:
 - Added support for social media activity entries.
 - Resolved an issue with processing chat conversations with mixed protocols (e.g., SMS and MMS).

- Resolved an issue with emails in PST, MSG or EDB files lacking sender metadata when the actual sender was stored in the PR_CREATOR_... properties.
- Resolved an issue with missing recipients in MSG emails.
- Resolved various issues with PDF files that would not process correctly.
- Resolved an issue with emails extracted from Outlook for Mac OLM files that were missing email headers, recipients, and OLM-specific email threading metadata.
- Resolved an issue with jump list items showing incorrect dates, due to NULL values or zeroes being interpreted as if they were valid dates.
- Resolved an issue with certain MS-DOS executables not being classified as such.
- Stability improvements to the processing of Slack exports.
- Stability improvements to the processing of Notes NSF files.
- Stability improvements to the processing of MS Visio documents.
- Relaxed the thresholds for detecting so-called ZIP bombs, as they could potentially flag certain MS Office documents as ZIP bombs.
- The value of the intella.itemTextMaxCharCount property is now capped at 2³¹.
- Restored the Ctrl+N shortcut for adding new sources.
- Various usability improvements in the Sources tab.

Indexing - Disk images

- Added support for indexing X-Ways disk images (CTR and E01 with XWFS2 file system).



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- Improvements for handling large (multi-TB) E01 and L01 disk images.
- Improvements for indexing BitLocker images that lack a volume system. This occurs when only one partition of the drive was imaged.
- General improvements to the processing of E01, Ex01, L01 and Lx01 disk images.
- Improved the indexing of system files like \$Boot, \$Header, etc., which occur in the root folder of a disk and which were incorrectly identified as being NTFS file systems on their own.
- Resolved an issue with a Linux disk image with Ext2 file system not processing correctly.

Indexing – Cloud sources

- The Office 365 source type has been renamed to Microsoft 365.
- Resolved an issue with iCloud sources, where accounts using two-factor authentication were not able to verify the account credentials.
- Resolved an issue with certain emails with attachments from iCloud accounts not processing correctly.

Indexing – Load files

- Added support for importing BegAttach and EndAttach fields.
- To properly support the BegAttach field, the “Parent Document ID” column was renamed to “BegAttach / Parent ID”.
- Resolved an issue where an error occurring during file type identification would halt the entire importing of a load file.

IntellaCmd.exe

- Added the ability to specify key store information such as passwords, BitLocker keys and certificates to IntellaCmd.exe.

OCR

- Added support for OCR-ing HEIC/HEIF images.

Analysis

- Resolved an issue with Email Threading analysis terminating with an error.

Searching

- Resolved an issue with phrase searches not producing optimal results when using complex search terms such as email addresses inside the phrase query.
- Resolved an issue with path queries not producing optimal results when the query terms contain slashes or underscores.
- Resolved an issue with the Search field’s history drop-down not working properly when CJK (Chinese, Japanese, Korean) characters were entered.
- The “Microsoft Teams Conversation” is now located in the Type facet beneath “Chat Conversations”, rather than beneath “Chat Messages”.

- The “Parent Document ID” column has been renamed to “BegAttach / Parent ID”. This was necessary to properly support the BegAttach and EndAttach load file fields.
- Resolved an issue with MD5 search not returning items that were imported as part of a load file overlay.
- Resolved an issue with the Location facet not updating immediately when a source was renamed.

Results

- The Cluster Map would automatically switch and enforce “Sets” mode when more than seven result sets are present in the Searches list. It has been changed to switch when more than seven non-empty result sets are present.
- Resolved an issue where moving the mouse over tag-related columns resulted in an error message being shown to the user.
- Resolved an issue with the Table not refreshing properly after Near-Duplicate Analysis completed.
- Resolved a performance issue with the Table populating very slowly due to some of the items in the list being linked to a large amount of entities (credit card numbers, person names, etc.)

Previewer

- Added support for displaying HEIC/HEIF images. These are commonly found on modern iOS devices.
- Various improvements to the native rendering of documents, presentations, and spreadsheets.
- Resolved an issue with the Near-Duplicate tab no longer highlighting the differences with the master item after the user clicked Show Full Text.
- Visual refinements in the display of the item tags.

Keywords tab

- Resolved an issue where queries for exclusive items would not work correctly when the current keyword list has any query errors in it.
- Resolved an issue where controls in this tab became unreachable when Intella was used on a smaller resolution screen (e.g., 1365 x 768), or the window was reduced to such a size.

Export – PST

- Stability improvements for exporting to PST.

Exporting – PDF

- Added “Page Number” as an option for Bates stamps. This allows for the pages to be numbered independent of the chosen file naming scheme.
- Resolved an issue with hidden sheets in MS Excel spreadsheets not being exported to PDF/TIFF format.

Exporting – Load files

- See also the notes for the PDF exporting method, listed above.



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- Renamed the RECORD_ID_GROUP_BEGIN and RECORD_ID_GROUP_END load file fields to BEGATTACH and ENDATTACH. This improves the ease with which the produced load files can be ingested by Relativity.
- Improved the rendering of the export settings in the export wizard on how the extracted text will be exported.

Exporting – Report

- Improved the report contents when there are no items to report on, either for the entire report or for a specific section.
- Resolved a stability issue where the report export failed, when the original binary file was to be included but was not available in the case.

Exporting – Case

- When exporting items to a second case, the exported data now includes the following columns: Custom ID, Custom Family ID, Duplicate Locations, Duplicate Custodians.
- Improvements for exporting a case to an ICF file:
 - ICF files can now be split into chunks of a given file size.
 - Several optimizations to the compression algorithm. As part of these optimizations, one can now specify how many CPU cores can be utilized for the compression. Tests showed up to 3 times faster ICF creation on a regular workstation.
 - Temporary files are now placed in the same folder as the ICF file, rather than in the OS temporary folder.

Upgrade Notes

Case versions 2.1.x to 2.4.x – Intella 2.4.2 can directly open cases made with Intella 2.4(1), 2.3.x, 2.2.x and 2.1.x.

Due to changes in data storage, Intella 2.4 is not able to open cases made with Intella 2.4.1 or 2.4.2.

When a case made with Intella 2.3.0 or older is opened in Intella 2.4.2, adding Custom ID tasks to the case in version 2.4.2 may render the case unopenable in that older version. Changes have been made in the 2.3.1 release to prevent such forward compatibility issues in future releases.

When a case made with Intella 2.1 or older is opened, all Content Analysis results are automatically migrated to a new data storage format. This migration happens only once. The old store is retained and will still be used when using version 2.1 or older. New results will not be added to the old store though, and new results added to the old store will not be migrated. Cases made with 2.1.1 or later already use the new data store and are therefore not affected.

When items in cases made with 2.1.x are exported to a separate case, the registered case size of the target case will be incremented with the size of the original case. This may be problematic for users with licenses that have a case size limitation. To resolve the inflated case size, the source case needs to be re-indexed before exporting items from it.

In Intella 2.2.2, a new method for calculating message hashes was introduced. While this change is transparent, please be aware that message hashes will change when re-indexing a case that has been made with an older Intella version.

Case versions 1.9.x to 2.0.x – Intella 2.4.2 can open cases made with Intella 1.9.x and 2.0.x, but these cases first require conversion before they can be opened. Case conversion will create a copy of the case in which all item data is converted, and all tags, comments and flags are imported. The existing case will not be altered in any way and can afterwards still be opened in the older Intella version. Access to the original evidence files is not required for case conversion.

Case conversion will not transfer the geolocation metadata extracted from emails when the “Determine geographic location of emails” option was used. Re-indexing of the converted case is required to restore such metadata.

Case conversion will require sufficient disk space. As a rule of thumb, please reserve twice the amount of the evidence size for your case folder.

Other case versions – Cases made with Intella 1.8.x or older are not supported. Cases made with beta versions are not supported and should be recreated.

Software versions – Vound will provide technical support for one major past version. For this release that will mean the 2.3.x range of products. Vound will always recommend that users upgrade to the latest version.



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