

# Intella 2.5.1 Release Notes

Released: **March 21, 2022**

## Highlights

- Added **compound case** support to **Intella Viewer**.
- Extended **IntellaCmd.exe** functionality.
- **Stability and performance** improvements.
- **IMPORTANT:** Deleted item recovery is now turned OFF by default.

### General

- Resolved an issue with XPS documents, and PDF documents containing forms, showing an "Evaluation Only" message when previewed or when exported to PDF or TIFF format.

### Case management

- Compound cases can now be opened with Intella Viewer.
- Added validation to the case memory settings, preventing the user from configuring the software to consume more than what the system has to offer. Note that the total amount of memory that can be consumed by Intella equals "memory allocation + #crawlers \* service memory".
- Extended case templates to also contain the case's memory and crawler settings.
- Resolved an issue with the case failing to open due to corruption of some databases related to source error reporting.
- Resolved an issue with the case failing to open when the case was closed with the Table in a particular sort order.

### Indexing - General

- The option to recover deleted and orphan items from email archives (PST, EDB, NSF) and disk images (NTFS Master File Table) is now turned off by default. Item recovery is often time-consuming, to the point that it can even lead to time-out issues during indexing. Furthermore, it typically requires expert knowledge to correctly interpret the results for what they are. It can be re-enabled by checking the "Recover deleted emails, files and Notes deletion stubs" option in the Add New Source wizard or Sources tab. Note that items present in the Windows Recycle Bin are still retrieved, as these do not suffer from these processing and interpretation issues.

- Resolved an issue with missing attachments in OST files.
- Resolved an issue with attachments not being linked to their parent email when indexing Apple Mail 6 mail stores (macOS Mojave).
- Resolved an issue with the owner's own phone number not being registered for certain item types in a Cellebrite report.
- Resolved several issues with Cellebrite reports failing to index.
- Resolved an issue with Intella failing to roll-back and recover from an indexing time-out, due to a slow file system.
- Resolved an issue with items being assigned a different item ID when re-indexing failed with a crash.
- Resolved an issue with some parts of the case potentially getting damaged when the user clicked the Stop button during indexing.
- Resolved an issue with the Sources tab failing to load when the source path contained illegal characters.
- When using a case size-restricted Intella license (Intella 10, 100 or 250), adding a source that would let the case grow beyond that size now results in an error rather than a warning. This was done because when the user would proceed, it was unpredictable what amount of evidence data would still not have been indexed when Intella stopped processing because the case size limit was reached.

### Indexing - Disk images

- Significantly reduced the temporary disk space needed to index DMG images, by preventing entire partitions from being copied out to a separate file during indexing.
- The "Folder Selection" sheet is now also shown for DMG and AFF4-L images.



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- Resolved an issue with certain Lx01 disk images failing to index.
- Resolved an issue with indexing NTFS file systems with incorrect headers produced by KAPE.
- Resolved an issue with validating VHDX images.
- Resolved an issue with registry items being reported even when the Windows folder was explicitly excluded from indexing.
- Resolved an issue with certain temporary files not being removed when the case is stored on a network drive.

### Indexing – Chat messages

- Various improvements in processing Slack exports.
- Stability improvements in processing chat data from Cellebrite reports.
- Resolved an issue with certain emoji characters in chat messages in a Cellebrite report failing to display.
- Resolved an issue with items originating from an RSMF container missing an item type.
- Resolved an issue with certain dates in chat message and conversation items being displayed in the system time zone rather than the source time zone.

### Indexing – Cloud sources

- Several improvements in iCloud acquisitions, related to API changes made by Apple, and other stability improvements.
- Resolved an issue with the IMAP connector failing to correctly retrieve items from the mail server.

### IntellaCmd.exe

- The evidence option (-e) is no longer required. This makes it possible to use IntellaCmd.exe to create an empty case.
- The evidence option (-e) no longer triggers the immediate indexing of the specified evidence files. To trigger indexing, one of the following new options should be specified:
  - indexAddedSource
  - indexNewData
  - reindexAll
- Command-line arguments have been added in this release for chat processing features that were added in the 2.5 release:
  - indexChatMessages
  - splitChatConversations
  - maxMessagesPerConversationItem
- Resolved an issue with large cases failing to open due to time-out issues.
- Resolved an issue with incorrect progress indication, reporting progress > 100%.

### Near-duplicates

- The groups in the Near-Duplicates facet can now be sorted by group name or group size.
- Resolved an issue with items getting a 1.0 near-duplicate score, despite having small textual differences in their item texts. Consequently, the Near-Duplicate tab would also remain hidden for such items.
- Resolved a fatal error that could occur during near-duplicate analysis when the option to ignore excluded paragraphs was turned off.

### Searching

- Resolved an issue with single term prefix queries not working correctly when that query was wrapped in quotes (e.g., "foo\*" – including the quote characters).

### Results

- Resolved an issue with tag query results not updating automatically when item tags were changed.

### Insight tab

- The Significant Words and Notable Registry Artifacts panels are now only loaded on demand after clicking a button in that panel. This was done to prevent selecting the Insight tab from automatically launching these long-running, disk-intensive, and non-cancellable operations.
- Resolved a display issue in the Paragraphs panel, causing some of the labels to disappear on mouse-over.

### Keywords tab

- Resolved an issue with incorrect hit counts (not item counts) when using phrase or proximity queries with embedded Boolean queries. These queries would incorrectly report 0 hits, despite locating items that match these queries.
- Resolved an issue with incorrect hit counts (not item counts) when a proximity query found hits with the terms in the item text placed in a different order than the order used in the query.

### Previewer

- When previewing emails in HTML form, the URL of links embedded in the body is now revealed.
- Resolved an issue with the Headers and Raw Data tabs showing incorrect data on items in compound cases.

### Exporting – PST

- Resolved an issue with calendar items failing to export to a PST file.



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# Upgrade Notes

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**Case versions 2.1.x to 2.5** – Intella 2.5.1 can directly open cases made with Intella 2.5, 2.4.x, 2.3.x, 2.2.x and 2.1.x.

When a case made with Intella 2.3.0 or older is opened in Intella 2.5.1, adding Custom ID tasks to the case in version 2.5.1 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 when a case that was made with version 2.2.1 or older is re-indexed in 2.2.2 or a later version, the message hashes will change.

**Case versions 1.9.x to 2.0.x** – Intella 2.5.1 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 2.4.x range of products. Vound will always recommend that users upgrade to the latest version.



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