

# Intella 3.1 Release Notes

## Highlights

- Added **mobile device acquisition** and indexing capabilities, supporting iOS and Android data.
- Added an **Intella device acquisition** source type, allowing processing of cellphone images acquired with Intella.
- Added support for indexing **encrypted iTunes backups**.
- Added support for indexing **WhatsApp** databases on both iOS and Android.
- Added **searchable Intella Assist content**.
- Intella Assist content can be elevated to a **dedicated Previewer tab**, for use cases such as translation and summarization.
- Added prompt-driven **generation of Intella Assist tasks** according to best-practice defaults.

### Mobile Device Acquisitions

- The new "Extract mobile device" feature supports the collection and processing of data from mobile devices, such as cellphones and tablets, directly in Intella. Investigators can move efficiently from device access to searchable evidence.
- Mobile device acquisition can be initiated from within the Sources and Welcome tabs, allowing investigators to acquire and process data from supported devices within the broader Intella investigation workflow, without utilizing external tools.
- The acquisition method covers iOS and Android devices, old and recent versions.
- Mobile device acquisition requires the device to be unlocked and authorized for access.
- Acquisition is based on common mobile OS backup protocols, resulting in a non-invasive extraction method with a minimal device footprint. On iOS, the iTunes Backup protocol is used. On Android, the Android Debug Bridge is used.
- Results are gathered in an Intella Device Acquisition file (.ida file extension), which can be processed using the new Intella Device Acquisition source type.
- Collections typically capture user data such as call logs, text messages, browser histories, installed apps, and more.
- The collection also captures WhatsApp chat databases. Future releases will expand this to more third-party apps.
- Note: this extraction captures user-level data available through logical access. Full file system imaging, physical

imaging, and recovery of deleted data are not supported at this time. Results may vary depending on device model, OS version, and user permissions. This functionality is experimental. The original device remains the authoritative source of evidence. Training and practicing acquisition on a test device is strongly recommended.

### Case Management

- The case creation UI now prioritizes the manual settings for Optimization Folder, Memory Allocation and Crawler Timeout over those imported from a case template.
- Improved ICF import handling when case folder names contain non-ASCII characters.
- Resolved an issue where Intella could be using an incorrect temp folder after using File > Close Case and opening another case.

### Compound Cases

- Added support for importing Intella Assist-generated content into a compound case. Only content promoted to the core item content (i.e., visible as dedicated Previewer tabs) is importable.
- Improved handling of custodian name conflicts in compound cases.
- Improved compound case creation stability in memory-intensive scenarios.
- Resolved an issue with a missing warning when a sub-case location could not be found.



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## Indexing

- Improved handling of Google Takeout naming variations.
- Improved indexing of broken PDF files.
- Added support for WinRAR 7 with dictionary sizes larger than 4 GB.
- Added support for ZSTD archives, and other archive types that use the ZSTD compression method.
- Stability improvements in archive processing.
- Stability improvements in SQLite database processing.
- Improved the Scan Logs functionality so that it recognizes crawler crashes related to an EXCEPTION\_IN\_PAGE\_ERROR.

## Indexing - Cellphones

- Added a new Intella Device Acquisition source type. This lets one index IDA files created with Intella's new Mobile Device Acquisition functionality.
- Added support for indexing encrypted iTunes databases.
- Other improvements in the indexing of iTunes databases, resulting in more complete and more accurate artifact extraction, and the ability to process larger iTunes backups.
- Added support for indexing WhatsApp chat databases found on iOS and Android.
- Added support for applying an owner's phone number (through a numbers.txt file) to native iOS chat messages (iMessage) in UFDR files. Previously this was only possible for phone calls, SMS and MMS messages.

## Indexing - Disk Images

- Improved processing of BitLocker-protected data in cases involving newer BitLocker metadata variations.
- Improved processing of disk images with mixed volume shadow copy states.

## Indexing - Cloud

- Adjusted the logging levels for certain Microsoft Graph errors.
- Improved handling of Microsoft 365 source creation when login or source selection does not complete as expected.

## Indexing - Load Files

- Resolved an issue with the importing of a load file containing SHA-1, SHA-256 or SHA-512 hashes.

## Indexing - W4 Cases

- Resolved an issue where tags and comments could not be imported from a W4 case.

## Crawler Scripts

- Resolved missing item.mediaType properties in the itemFound method when indexing Recycle Bin data.
- Updated the bundled Python to version 3.14.3.

## Command-line Support

- Improved the handling of -replaceSourcePaths when source paths contain commas.

## Intella Assist

- Added full-text indexing of Intella Assist-generated texts, such as chats in the Previewer and generated content.
- The Intella Assist facet now supports the use of Google Gemini LLM models.
- Improvements to the system prompts, including changes to make them work better with Azure OpenAI's guardrails.
- Improved error handling and logging.
- Minor usability improvements in Intella Assist Chat.

## Intella Assist - Tasks

- Added the ability to evaluate a human prompt, e.g. "Tag this item when it includes aggressive language" based on best practices for constructing Intella Assist Tasks, and deriving a concrete Intella Assist Task from this.
- Added the ability to elevate Intella Assist-generated content so that it gets displayed as a regular Previewer tab. This is useful for use cases such as translations and summarization, so reviewers can navigate to that content as they would with any other type of content.
  - Items with elevated content can be found via the Features facet, see Analysis > Intella Assist > Generated Content.
  - The elevated content can be exported to PDF.
- Resolved an issue where an Intella Assist task was duplicated in the task list on every execution.
- Minor usability improvements.

## Insight

- The Significant Words cloud no longer shows duplicate terms.

## Search

- Resolved an internal error caused by specific Boolean combinations of single terms and nested phrases inside phrase and proximity queries.
- The "Query" and "Query Exclusive" options in the Keywords tab have been renamed to "Search" and "Search Exclusive", for consistency with the rest of the application.

## Facets


- Improved the structure of the Email Messages sub-hierarchy in the Type facet.
- Resolved a stability issue with the handling of hash lists that consist of only a single hash.

## Results

- Item comments are now shown in the results table. Previously, they were only shown in a tooltip.

## Devices Tab

- Resolved an issue with an incorrect number of participants in certain chat conversations being reported.
- Resolved an issue with the Devices tab failing to load.

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## Previewer

- The Properties tab now also holds item information related to Content and Image Analysis, Email Threading, Intella Assist and Export Sets.
- Improved the readability of long tag paths in the tag properties panel.
- The tags in the item's tag properties are now shown in the same order as in the Tags facet.
- Improved the rendering of certain known timestamp standards (e.g. Standard Unix, Windows FileTime) in the Raw Data tab, by appending a human-readable formatting of that timestamp.

- Resolved an issue with the rendering of chat conversations and chat messages when an "info message" without an author was present.

## Exporting - PDF

- Improved the PDF rendering of certain HTML emails and chat messages.
- Improved PDF export so that custom fonts are also applied correctly to headers and footers.

# Upgrade Notes

Intella versions can be installed side-by-side. There is no requirement to uninstall old versions when installing a new Intella version. Running the new version will automatically pick up cases and settings from a previous installation.

Users are recommended to use the latest product version when creating new cases and when taking advantage of newly added source and analysis capabilities.

**Case version 3.0.x** – Intella 3.1 can directly open cases made with Intella 3.0 and 3.0.1.

The 3.1 release contains a range of indexing-related improvements. Users upgrading to this release may therefore see differences in indexed results, available device information, and exported output when re-indexing evidence with the 3.1 version.

**Case versions 2.1.x to 2.7.x** – Intella 3.1 can open cases made with Intella versions 2.1.x to 2.7.x, but these cases first require conversion before they can be opened.

Case conversion can create a copy of the case in which all item data is converted, and all tags, comments and flags are imported. The original case will not be altered in any way and can afterwards still be opened in the older Intella version. Case conversion requires sufficient time and disk space. As a rule of thumb, please reserve twice the amount of the evidence size for your case folder.

Alternatively, for cases made with Intella 2.6 or later, case conversion can directly convert the existing case without creating a copy of the case. This manner of case conversion is considerably faster (usually a matter of seconds) and much less disk intensive. This can be a good alternative when a backup of the case already exists, saving both time and disk space. Having backups of your cases is always highly recommended.

Access to the original evidence files is not required for either manner of case conversion.

Case conversion will make the case openable in 3.1, but re-indexing of cases with cellphone or disk image data is still required to be able to utilize the new Devices tab on that data. For re-indexing, access to the original evidence files is required.

Due to a change in the underlying databases, results in the Image Categories and Detected Objects branches of the Image Analysis facet that were made with version 2.6 will not be visible when the case is opened with version 2.6.1 and later. This analysis will have to be repeated with a more recent version.

The 2.7.2 release resolved an issue for Saved Searches containing Content Analysis results. These searches would not yield any results. Saved Searches made with earlier versions that contain Content Analysis queries should be discarded and re-created; they cannot be automatically fixed.

To index Notes NSF files, a 64-bit version of Notes is required. 32-bit Notes versions are not supported.


**Other case versions** – Cases made with Intella 2.0.x or older are not supported.

To open cases made with the 1.9.x and 2.0.x versions, please use Intella 2.5.1. This is the last version to support the 1.9.x and 2.0.x versions.

Cases made with beta versions are not supported and should be recreated.

**Memory settings** – The 2.7 version changed how case memory settings are stored. Prior to version 2.7, these settings were stored in both the case.xml and case.prefs files, for historical reasons. This is now only stored in the case.prefs file. Consequently, if a 2.7 or later version is used to alter the memory settings of a case made with an older version, the memory setting changes may not be picked up by older versions.

Software versions – Vound will provide technical support for one major past version. For this release that will mean the 3.0.x range of products. Vound always recommends that users upgrade to the latest version.

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