

# Intella Investigator 3.1 Release Notes

## Highlights

- Added **Storyboards**, a new visual workspace for organizing and presenting key case insights.
- 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.
- **Redesigned facet UI**, for better overview and screen use.
- Improved source definitions for handling **very large M365 tenants**.
- Added a **redesigned Insight tab** and extended it with mobile devices.
- 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.

### Storyboards

- The Storyboards section, located within the Reports tab, is a new visual workspace for organizing and presenting key case findings in a single, document-based view. It allows investigators to assemble different types of case information into an overview that supports both analysis and reporting. Rather than moving back and forth between separate views, users can combine important elements of a case into one place and use that overview to highlight findings, compare data points, and capture the broader context of the investigation. This makes it a practical tool not only for analysis, but also for communicating investigative insights with team members, counsel, and other stakeholders.
- Storyboards support a range of widget types that can be used to present information in the most suitable form. These include widgets for case overviews, item renderings, images, timelines, persons of interest, geolocations, sticky notes, and other chart-based visualizations.
- Widgets are placed in a document with rich text editing capabilities.
- Widgets can be added, arranged, replaced, or removed as needed, allowing users to update the view as new findings emerge.
- A Storyboard can be exported to a PDF document.

### General

- Security improvements, following a recent security audit of the software.
- OCR errors and Intella Assist prompt logs can now be accessed through the View Logs functionality.
- Improved messaging in case of two-factor authentication (2FA) login failures.
- Improved handling of usernames with leading or trailing spaces, including resolving an issue where the Admin portal would become unresponsive when such a username was accidentally entered in the login screen.
- Removed admin notifications related to the ending of Internet Explorer support.

### Case Management

- Improved the source creation workflow.
- Improved custodian name validation in Connect.
- Improved ICF import handling when case folder names contain non-ASCII characters.

### 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.



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- Improved handling of custodian name conflicts in compound cases.
- Improved compound case creation stability in memory-intensive scenarios.

## 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.
- Resolved an issue in the Statistics display so that a case that has completed indexing no longer remains labeled as Post-processing.
- Resolved an issue where a task status was not displayed during the "Executing tasks" phase of case indexing.
- Resolved an issue where the source management buttons could be clicked during indexing, resulting in (non-critical) errors.
- 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

- Usability improvements in account selection when handling Microsoft 365 tenants with lots of accounts. Only a limited number of accounts will be displayed by default. Users can filter accounts based on user-entered text, allowing one to quickly identify the matching accounts in a list of thousands or more M365 accounts.
- Adjusted the logging levels for certain Microsoft Graph errors.

## 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.
- The prompt suggestions shown in the Intella Assist Chat now take the item type and available data into account. For example, a suggestion that is only appropriate for images is not shown when previewing an email.
- Introduced separate role permissions for Intella Assist Chat and Intella Assist Tasks, allowing for more granular control over feature access.
- 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.
- Minor usability improvements.

## Insight

- Redesigned the Insight tab's user interface. The new design aligns with the redesigned Intella Insight tab that was introduced in an earlier version.
- The Devices section has been extended with the mobile devices listed in the top-level Devices tab.
- The Significant Words cloud no longer shows duplicate terms.



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## Search

- Resolved an internal error caused by specific Boolean combinations of single terms and nested phrases inside phrase and proximity queries.

## Facets

- Major restructuring of the facet user interface:
  - For ease of overview and access, facets are now grouped into meaningful subgroups.
  - Keyword search is available through a text field that is always visible, regardless of facet selection.
  - Facets make better use of the available vertical space.
  - One can now drag facet values and drop them into the Cluster Map or Searches list.
  - Added a contextual menu with a Copy action in various facets.
- Added a function to create a new tag right from inside the Tags facet.
- Improved validation of tag names.
- Improved the structure of the Email Messages sub-hierarchy in the Type facet.
- Custom categories in the Content Analysis facet now also feature an icon.
- Minor changes to facet setting UIs.
- Resolved a stability issue with the handling of hash lists that consist of only a single hash.
- An error message is now displayed when there is an issue loading the Location facet content. Previously, this resulted in an infinite loading time.

## OCR

- Resolved an issue where OCR using ABBYY FineReader Server would fail.

## Results

- Item comments are now shown in the results table. Previously, they were only shown in a tooltip.
- Resolved an issue where changes in the Table column order that were made directly in the table, were not being persisted correctly.
- Removed the confidence threshold values shown in the Content Analysis > Person Name result sets.

## Visualizations

- Improvements in the Devices tab:
  - Added a "Clear filters" button.
  - Improved messaging in cases that contain no device data.
  - Resolved an issue with an incorrect number of participants in certain chat conversations being reported.
- The popup menu in the Events view has been extended with a "Show sibling events" option. This shows all other events related to the same item, e.g. the created, last modified and printed dates of a Word document.
- Resolved an issue with missing scrollbars in the Explore tab.

- Improved performance of loading item data in Search > Table / List / Thumbnails and Devices > Application Results / Email Results.
- Improved behavior when switching between the Cluster Map, Sets and Geolocation views.
- Improved Communication tab user experience.

## 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.
- Improved handling of very long values in the Properties tab.
- The tags in the item's tag properties are now shown in the same order as in the Tags facet.
- Usability improvements in the paragraph menu in the Contents tab.
- One can now double-click on entities in the Analysis tab, to search for them in the Search tab.
- Improved user interface updates when iterating over items in the Previewer.
- 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 page switcher not being shown when previewing a multi-page TIFF.
- Resolved issues with the manual loading of the complete text when the item had OCR'd or imported text associated with it, or when iterating over multiple items.
- Resolved an issue with the rendering of chat conversations and chat messages when an "info message" without an author was present.
- Resolved an issue with the updating of the selected tab and their tab names when iterating over items.
- Resolved an issue with the "Render full tag paths" property not working.

## Background tasks

- The Background Tasks table now shows for each task which user launched it.
- Added a Duration column, showing how long a task took to execute.
- Long task names can now be fully shown in a tooltip.

## Exporting

- Added a user interface for controlling export memory configuration.

## Exporting - PDF

- Improved the PDF rendering of certain HTML emails and chat messages.



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- Improved PDF export so that custom fonts are also applied correctly to headers and footers.
- Resolved an issue where a few options in the PDF export options automatically became unchecked upon progressing in the export wizard.
- 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.

## Upgrade Notes

Intella Investigator versions can be installed side-by-side. There is no requirement to uninstall old versions when installing a new Intella Investigator 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 Investigator 3.1 can directly open cases made with Intella and Intella Investigator 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 Investigator 3.1 can open cases made with 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.

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 version 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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