

Vantage 3.0 Release Notes

3.0.2 Release Notes

Security

- ✓ Critical security updates have been applied to address identified vulnerabilities.

Changes

- ✓ Updated the Vantage 3.0 Advanced Designer icon for a more consistent visual experience.

Fixes

- ✓ Fixed an issue for Document skills where selecting checkboxes across columns in a multi-column Checkbox Group caused the markup bounding box to expand and prevent another checkbox from being selected.
- ✓ Fixed an issue that prevented users from setting up the Microsoft Power Automate connector. (656179, 659154)
- ✓ Fixed multiple issues in Process Monitor Queue Management where filter names were missing, filter values could not be modified and changing one filter inadvertently affected others. (658062)
- ✓ Fixed an issue in the External Identity Provider settings where the default role assigned to new users was removed after clicking Apply Changes, causing newly created users to receive an Access Denied error when attempting to log in. (648521)

Improvements

Migrator

We've delivered a series of enhancements to the Vantage 3.0 Migrator to improve reliability, transparency, and overall migration experience as customers transition from Vantage 2.7.x to 3.0.

These updates are based on real-world migration learnings and are designed to increase predictability, reduce manual intervention, and accelerate time to value.

Fixes

- ✓ On the Vantage login page, longer Tenant names were truncated in the Tenant selection window. Now, the Tenant selection window is wider and displays the full tenant name. (653576)
- ✓ The link in the Skill Versions window directed users to the old documentation URL instead of docs.abbyy.com.
- ✓ In Advanced Designer, after uploading a document to an Invoice Splitter skill, fields didn't load.
- ✓ In Advanced Designer, copying an Invoice Splitter skill resulted in a 403 error.
- ✓ In the Skill Catalog, there were issues upgrading skills to Technology Core version 3.0 after training and publishing the skills.
- ✓ For External Identity Providers, the API response did not include the Client Secret.

New Features

Update of Built-In Skill Copies into Derived Skills

In earlier versions of Vantage, you could create editable copies of built-in skills. In this version, you can update these copies, which will also update the Technology Core, and the copy will be converted into a derived skill. Converting a copy of a skill to a derived skill will allow for easy and seamless updates to any future versions of the base skill.

Once you have converted a copy of a built-in skill to a derived skill, you will see a list of changes that have occurred as a result of the conversion. Some of the changes you have made to your copy will be reset after the conversion, such as field structure or field properties that are not allowed to be changed in a derived skill.

After the update is complete, check the new skill carefully, especially the labeling of all the enabled fields. If the adjustments you make after checking the updated skill still do not give you the desired result, you may choose not to publish it and continue using the copy until the next Technology Core update is available. After a Technology Core update, the previous version will no longer be supported, and you will need to update your skill.

New Skills

- [Certificate of Analysis – Document Skill](#)
- [Denial – Document Skill](#)
- [Form 1099-C, Cancelation of Debt](#)
- [Mortgage Note – Document Skill](#)
- [Riders – Document Skill](#)

Updates to Existing Built-in Skills

- **Invoices:**
 - **Ship To** group has been added to all Invoice skills, except the Invoice CN skill.
- **Purchase Orders:**
 - Processing of purchase orders from Italy and the Netherlands is now supported.
 - Extraction issues have been fixed for French purchase orders.
 - A new rule has been added that copies the value of **Total Amount** to **Net Amount** when they are identical.

- **Form 1040, US Individual Income Tax Return:**
 - [Tax Forms for year 2023](#) are now supported.
- **[Personal Earnings Statement:](#)**
 - **Employer's Phone Number** field has been added.
- **[Lease Agreement:](#)**
 - The quality of the Lease Agreement skill has been improved thanks to training on more documents.
- **[Receipt CJK:](#)**
 - Handwritten text recognition is now available for Japanese receipts.

Vantage and Advanced Designer User Interface Updates

The Vantage and Advanced Designer user interfaces have been improved to make updating skills easier and more intuitive:

- A new detailed overview of changes and required actions is displayed after each update, making the update process clearer.
- Ability to change field names and types has been added. These changes will be preserved when updating both skill copies and derived skills.
- The What's New field has been added to highlight the latest updates for each skill version.

Process Skill

- **[Redact Fields Prior to Export](#)**
A new feature has been added that enables the redaction of specific fields before exporting processed images, ensuring that sensitive and confidential data is permanently removed. Redacted fields appear as blacked-out areas on exported images, protecting sensitive information while allowing the images to be stored or archived. Redacted data cannot be recovered or copied from the text layer of a PDF file.
- **[Configure Files Required for Custom Activity](#)**
Previously, the Custom activity created JSON files with all the extracted data and searchable PDFs with source images. The Custom activity now lets you choose formats for document fields, text, and images to be sent to an external system. This shortens processing times when JSON or PDF files are not required in the Custom activity. You can now also add additional export formats to the Custom activity, not only JSON or PDF.

Mobile Input

- **Shortened Links to Vantage Mobile Input**

Vantage Mobile Input now supports shortened links, making integration into native applications easier for developers. It also simplifies access to Vantage Mobile Input micro applications for users. Shortened links ensure better compatibility with mobile devices, improving user experience.

Monitoring and Reporting

- **Analytics GUI**

The new Analytics service retrieves detailed information on processed transactions for a selected Process skill from the Analytics Reporting Warehouse and displays it on the Analytics page. Information on processed transactions is displayed in the form of summaries, graphs, and donut charts and is available within a few minutes of their completion. The new Analytics service simplifies data handling and enhances document processing efficiency.

Business Process Reporting

- **Ability to specify a certain time period**

In the Vantage API, when downloading a data report from the Warehouse, you can now specify a certain time period, and only those transaction events that were completed within that period will be downloaded.

- **Information about the number of documents and pages**

Data reports from the Warehouse now contain information about the number of documents and pages in completed transactions.

- **Ability to download big data reports**

The Vantage API now allows you to collect data asynchronously for data reports. This means that data reports from the Warehouse can be split into several files. To get them all, you will need to send a request for each file. This change is designed to prevent failures caused by exceptionally large data reports.

Ability to Restart a Failed Transaction

The feature allows Processing Supervisors to [restart failed transactions](#) caused by temporary issues such as external system unavailability or accidental processing errors. The restarted transactions should process source files from the beginning while preserving all relevant parameters and documents.

Administrating Vantage

- **Custom Token Lifetime**

Vantage tenant administrators can now configure [access token and refresh token lifetimes](#) for their tenants.

ABBYY Vantage Advanced Designer

Skills can now use LLMs

A new [prompt-based activity](#) has been introduced, designed to use [external Large Language Models \(LLMs\)](#) within Document skills. This activity allows you to work with external LLMs in several ways:

- You can use document fields, text, and images extracted by other activities in prompts for LLMs. For example, you can upload a financial report to extract specific financial metrics (e.g., EBITDA or net profit), extract the data using an Extraction Rules activity, and then compare it to forecast values using an LLM.
- The output generated by an LLM can be further processed, validated, or corrected using Vantage activities. For example, you can validate extracted data against data catalogs to help mitigate potential hallucinations from an LLM.

Deep learning is now possible with smaller numbers of documents

Training can now be carried out with as few as 10 documents; however, a warning will still be displayed for any number of documents below 500. Predefined weights can be used to help mitigate the impact of a low number of documents; however, to achieve sufficient quality with deep learning, you will still need to have a substantial number of documents for training.

Advanced Accuracy Reports in Advanced Designer

The following advanced statistics are now available after skill testing:

- The skill's quality in extracting field values: **Field Precision, Field Recall, and Field F-measure.**
- The skill's accuracy in detecting field regions: **Region Precision, Region Recall, and Region F-measure.**
- The number of field instances in the reference labeling.
- The percentage of documents containing the given field.

NLP extraction rules: Support for repeating fields

Starting with this release, you can add multiple filed instances inside NLP Extraction Rules. All the extracted instances of elements are displayed in the **Result** section of the **Properties** pane.

New NLP languages and regions

The Address Parsing activity can now parse Italian addresses.

Key Improvements

Improvements in the OCR Technologies

The following improvements have been made to the OCR technologies

- The quality of Chinese and Thai OCR has been improved thanks to new e2e Models that have been integrated into the product. This affects all skills running on Technical Core version 3.0
- Improved table detection in documents such as agreements, invoices, financial documents, and mathematical equations.

Improvements in Data Catalog Lookup Rules

The following improvements have been made to data catalog lookup rules:

- You can now search for a data catalog record that matches any part of any word in the field value, not by just the first word.
- Fields involved in database lookups can be populated by scripts, activities (such as Script or NLP activity), and rules, as well as manually. Starting with this release, if a field value is changed during manual review, the data catalog lookup rule will run again. If the corresponding record is found, the field will become read-only.

Fixes

In Vantage Release 3.0, we've addressed the following issues:

Administrating Vantage

- ✓ When configuring an External Identity Provider for Azure AD SAML, Vantage prompted the user to log in each time, even if the user was already authenticated to the system through the External Identity Provider. (598355, 552880, 571969, 597296)
- ✓ It was not possible to switch tenants in Advanced Designer when an External Identity Provider was used for authentication. (599410)
- ✓ Users with non-whitelisted IPs could still log in to Vantage even though IP restrictions were enabled in the tenant. (604762)

Advanced Designer

- ✓ Internal Program Error: \\Aw\VantageControls\Src\LayoutTabControl.cpp, 523 occurred when using the Code Editor for an Extraction Rules activity in Advanced Designer. (601875)
- ✓ When importing labeling from another skill, the Line Items format was unexpectedly changed from “table” to “repeating group.” (588121)
- ✓ Internal Program Error: ../DAForms/DAForms.HighLevel/Src/BlockResult.cpp, 203 occurred when uploading certain documents in Advanced Designer. (596699)
- ✓ If an Extraction Rules activity was added to a skill, disabled fields became enabled when opening the activity editor. (600707)
- ✓ Large document sets that were uploaded in Advanced Designer resulted in slow performance or failure. (597783)
- ✓ Advanced Designer did not have a scrollbar to view all the skill versions. (595916)
- ✓ In the Extraction Rules activity, pictures were not recognized. (594091)
- ✓ In Advanced Designer, Repeating group elements were ordered incorrectly. (582314)
- ✓ Unable to select multiple documents for deletion in the All Documents pane in Advanced Designer. (582313)
- ✓ Problem uploading documents in Advanced Designer (581111)
- ✓ FastML value for a field was populated even if the output checkbox for it was unchecked. (576466)
- ✓ In Advanced Designer, the Rename Dataset dialog appeared under the dataset with the offset of the scrollbar. Now, the rename dataset dialog appears on the dataset name position. (567358)

✓ In Advanced Designer, the Invoice US skill (Technology Core 2.4) did not extract the correct value for the Vendor ID field. (591210)

Air Waybill Skill

✓ The Flight and Flight Date fields were not found on some documents when using the Air Waybill skill. (577333)

✓ The Carrier Country field was extracted incorrectly from some documents when using the Air Waybill skill. (601791)

Built-in skills, Fast Learning Activity

✓ The extraction quality of fields in built-in skills degraded if the Fast Learning activity was added to a skill and the skill was then retrained. (598328)

Business Card Skill

✓ Personal names were extracted as names of organizations on some business cards in Japanese. (564779)

Classification Skill

✓ Some uploaded documents disappeared from the document set in the Classification skill. (581895)

✓ A Max activation count for step exceeded error occurred when processing some documents using the Classification skill. (585456)

✓ The default Classification skill did not work correctly on some documents. (581726)

Commercial Invoice Skill

✓ Pipeline symbols and underscores were not extracted. (549374)

Data Catalogs

✓ The “Data Catalog Lookup” rule fetched values even if no value was recognized when using a data catalog of the “Document Issuer Company” type. (576583)

✓ Data catalog updates did not work as intended when a data catalog CSV file was uploaded via SFTP. (584710, 585050)

✓ An Invalid data in CSV file error occurred when updating a data catalog with a valid file. (600635)

✓ Having duplicate records in a data catalog caused no records to be found with no error message being displayed. (581746)

✓ A data catalog search popup appeared during Manual Review even if no data catalog was used in the skill. (583091)

Document Skill

✓ Some skills became unresponsive after their training was canceled. (597478, 598648, 599991)

✓ Skills could become locked for users who edited them. (594866)

✓ The Document skill could become unresponsive when trying to open, publish, or export it. (599067, 599582, 599892, 599991, 600169, 602816)

✓ An out-of-memory error occurred when updating a large skill. (579890)

✓ Table cells could disappear when labeling a table in a Document skill designed for fixed-form documents. (582447)

✓ Negative field values that had the minus sign at the end were considered to be positive. (581898, 583978)

✓ Newly created document skills failed to recognize symbols when both Thai and English languages were enabled. (603748)

✓ Transactions failed with an error when processing large documents. (587435)

✓ Extraction accuracy was poor for Document skills. (577537)

✓ Some text was extracted incorrectly. (577166)

✓ Documents failed to upload when editing a Document skill. (582452)

✓ Disabled fields were included in the results overview where the accuracy is calculated. (566879)

✓ Vertical text was not recognized and extracted by Document skills. (501694)

Exporting Skill

✓ Process skills with more than 100 documents could not be exported to the local machine if the “Export with embedded skills” option was unchecked. (594063)

✓ Image regions rect coordinates in the exported file exceeded exported page’s width and height. (571790)

Handwritten OCR

- ✓ Handwritten OCR did not work properly for some documents. (593302)
- ✓ Handwritten text after training missed the first character in extraction and produced incorrect results. (572998)
- ✓ Handwritten text from different rows of a table were shown as single word, which produced incorrect results. (572996)

Importing Documents

- ✓ A Cannot open the image file. The file may be corrupted. error occurred when importing certain PNG files. (602971)
- ✓ The image quality of vector PDFs degraded after importing them to Vantage. (581372)

Importing Skills

- ✓ When importing a Process skill, Vantage did let the user choose how to handle the embedded skills. (568806)

Invoice Skill

- ✓ Some credit note documents were not identified as such even though the required keyword was present. (567399)
- ✓ The Invoice Number and Invoice Date fields were not extracted from some digital-born PDFs when using the Invoice skill. (587417)
- ✓ The Bank Code field was not extracted from some documents when using the Invoice skill. (575741)
- ✓ Cannot to enter 0 in the Acceptable date fields for Invoice skills. Entering 0 ensures no future invoice can be processed. (563263)

Invoice CN Skill

- ✓ Issues with the data extraction quality for the Chinese language. (493023)

Invoice JP Skill

- ✓ The Total Amount field was not extracted from some documents when using the Invoice JP skill. (597732)

Invoice UA Skill

✓ The Quantity and Unit Price fields were not extracted from some documents when using the Invoice UA skill. (586336)

Manual Review

✓ There were intermittent issues during Manual Review (such as a black screen, endless image loading, etc.) when moving a page from one document to another. (586235)

✓ If a Process skill had multiple Manual Review stages, having a transaction processed in the first Manual Review stage and then routed to the second Manual Review stage resulted in the inability to open the transaction in the review interface, either using a Manual Review link or via the Skill Monitor. (603366)

✓ The Document Type list was not arranged alphabetically during Manual Review. (588131)

✓ The No records found error persisted even if records were manually selected from the data catalog during Manual Review. (601613, 600781)

✓ In Manual Review, it was difficult to change the Field pane size. (590746)

✓ In Manual Review, transactions failed when the document skill was deleted by policy. (587960)

✓ When Manual Review was completed, and the Manual Review link was clicked a second time, a generic error message appeared. The error message has been improved. (585573)

✓ When manually drawing a field region in Manual Review, the full value was extracted even though the region was not overlapping the full value. (562061)

✓ During Manual Review, field values were not populated automatically based on the field region in the document. (561595)

✓ Unable to open a transaction in Manual Review. (611592)

Purchase Order Skills

✓ Part of the text on the page was not recognized or recognized incorrectly. (566393)

✓ Subtotal/Goods Total field value was incorrect if another Total field contained identical numbers. (594464)

✓ Some data was not extracted from French documents when using the Purchase Order skill. (576291)

OCR

✓ Field values were extracted incorrectly on some documents. (589314)

- ✓ Phantom characters could sometimes be introduced when extracting data from line items. (547197)
- ✓ The image upload method could affect the recognition results. (580169)
- ✓ A ProjectiveTransformationParams.cpp, 100 internal program error occurred when processing some documents. (585333)
- ✓ Word order was incorrectly recognized for some documents in RTL languages (for example, Hebrew and Arabic). (462151, 580752)
- ✓ An Internal program error:../FineObjects/Inc/Object.h, 360. occurred when processing some documents. (598221)
- ✓ The first row was inverted when extracting line items from some Arabic documents. (595150)
- ✓ Some numbers were not recognized or were recognized incorrectly on some documents. (589175, 603681)
- ✓ A Max activation count for step exceeded error occurred when processing some documents. (602331)
- ✓ Dates were recognized incorrectly when processing some Japanese documents. (584518)
- ✓ Commas were recognized as dots when processing Thai documents. (567178)
- ✓ Non-contrast text was not recognized or was recognized incorrectly during full-text OCR. (544424)
- ✓ Standard checkmarks were not detected on forms. (460241)
- ✓ Multi-word text in RTL languages was shown in incorrect order when manually drawing a field region. (443616, 580184, 525296, 492170, 579355)
- ✓ If a field had a negative sign after a number, the negative sign was not extracted. (584492)
- ✓ If a value was not found on the document, the field was populated with data instead of remaining blank. (570252)
- ✓ Values were recognized incorrectly, even though they were correct when manually drawing a field region. (565943)
- ✓ Currency symbol was not recognized during extraction. (564681)

✓ The record from a catalog was not extracted when using the “get value from data catalog” option. (564011)

OCR Skill

✓ Barcodes in output PDFs became unreadable by barcode scanners when documents were processed using the OCR skill with the Export to PDF option enabled. (564727)

Process Skill

✓ Process skills that had a “For-each” block with a Classify activity had the “ResultClass” value set to null in the exported JSON file if the document type was changed during Manual Review. (592498)

✓ The Import is disabled for this skill. warning did not appear in the Input activity settings when import was disabled in Skill Monitor. (597789)

Reporting Service

✓ The Reporting service returned incorrect values for the NumberOfChangedFields column for skills based on Technology Core version 2.0. (597754)

✓ A /transaction-steps request with specified startDate and endDate values returned transactions outside of the specified range. (586394, 588878)

✓ The process-skills/fields and /process-skills/documents requests failed with a Tenant mapping not found for tenant. error. (605418)

✓ A 504 Gateway Time-out error occurred when using the API to extract transaction reports containing too many records. (593394, 604392)

Sea Waybill Skill

✓ The accuracy of the Containers table field decreased as more samples were added to the Sea Waybill skill and the skill was retrained. (582982)

✓ The extraction quality of the default Sea Waybill skill was too low. (581472)

Skill Monitor

✓ The search feature did not work properly when there were more results than could fit on a single page. (592619)

✓ The stage of some transactions did not change in the Skill Monitor even when they were canceled. (570696)

Training

- ✓ The training of Document skills sometimes failed with a Could not update report, because workflow failed error. (580332)
- ✓ The training of a derived skill failed if some fields were disabled. (588035)
- ✓ A Managed interop delegate failed in /DEV_ROOT/0/OcrtWorker/Native/Interop/Src/Exports/InteropStorageAccess.cpp:23 error occurred when training some skills. (594034)
- ✓ Documents from deleted editable versions of a skill were not always deleted from the next editable version of that skill. (596442)
- ✓ A Max activation count for step exceeded error occurred when training some skills. (585137)
- ✓ The accuracy for some of the fields decreased as more samples were added to a skill and the skill was then retrained. (569334, 601893)
- ✓ Some fields were extracted incorrectly even after training a skill on sample documents. (597627)
- ✓ Some line items were not extracted even after training a skill on sample documents. (603240, 583993)

Technology Core

- ✓ Upgrading some derived skills to Technology Core version 2.4 caused their accuracy to decrease. (579585)
- ✓ Data types of fields changed in a derived skill reverted to the data types of the base skill when the derived skill was updated to Technology Core version 2.4. (605495)
- ✓ Tables were incorrectly extracted in some skills updated to Technology Core version 2.4. (580130)

Vantage Documentation

- ✓ Some errors in the documentation were fixed. (593114, 590537, 561590, 600172)
- ✓ A description for the Model parameter has been added and the sample request has been updated accordingly in [Creating a Tenant via Vantage API](#). (584558, 594350)
- ✓ Fuzzy search has been described in more detail in [Creating Data Catalog Lookup Rules](#). (598897)

Known Issues

- The Vantage 3.0 Arrival Notice skill no longer supports language recognition for French and German. The Arrival Notice skills supports English only.
- Users are unable to log in to Vantage 3 after switching accounts from a Vantage 2 tenant to a Vantage 3 tenant. **Workaround:** To use both Vantage 2 and Vantage 3 at the same time, log in to Vantage 3 in an incognito window.

Deprecations

Browser-Direct API Access No Longer Supported

Direct browser-to-API calls using OAuth client credentials are no longer supported. Enabling this would require embedding your client ID and secret in frontend code, where they are visible to anyone who inspects the page — allowing bad actors to impersonate your application and make unauthorized API calls.

Recommendation: Use a backend proxy. Your frontend calls your own server, which securely stores the credentials and forwards requests to the API. This keeps your secrets out of the browser entirely.