

Perceptive Intelligent Capture

Release Notes

Version: 5.8.x

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Perceptive Intelligent Capture 5.8.0 Release (September 2017)

This release includes the following versions.

- Perceptive Intelligent Capture 5.8.0

New Features

This release provides the following new features.

Platforms

- PIC now supports Amazon EC2.

Runtime Server

- A new *Minimize project reloading* option was introduced to optimize project reloading. For more information, see "About project reloading" in the *Perceptive Intelligent Capture Runtime Server Help*.

Scripting

- The new method `SetFieldFocus` is available in `SCBCdrVerificationForm`. Use this method to set the focus to the specified field or table column and to update the `HighlightField`, `HighlightColumn`, and `HighlightRow` settings. For more information, see "SetFieldFocus" in the *Perceptive Intelligent Capture Scripting Help*.
- The new named property `SkipDocumentReprocessingAfterMerging` was introduced to improve the performance when merging large documents. For more information, see "SkipDocumentReprocessingAfterMerging" in the *Perceptive Intelligent Capture Scripting Help*.
- The new property `DocumentBinarizationMode` and the new type definition `CdrDocumentBinarizationMode` were introduced to enable specifying the binarization mode. Setting the `DocumentBinarizationMode` to `CdrDocumentBinarizationSkipped` may improve OCR results for grayscale and colored images. For more information, see "CdrDocumentBinarizationMode" and "DocumentBinarizationMode" in the *Perceptive Intelligent Capture Scripting Help*.

Documentation

- The Workdoc Browser tool is now documented in the *Perceptive Intelligent Capture Tools Online Help*.

Product enhancements

This release provides the following product enhancements.

Installation

- The Address Analysis engine has been removed from the product.

Platforms

- PIC now integrates Perceptive Document Filters 11.4.0.2480, which provides several updates and enhancements.

Runtime Server

- The process of preloading documents during Import has been improved. The time required for Import does no longer depend on the number of pages.
- Furthermore, the performance when importing electronic documents as well as in subsequent processing has been improved.

Designer

- The processing time of the Format analysis engine can now be shortened by applying a template or identical settings to multiple fields.

Engines

- The extraction of the Generic Table Extraction engine has been improved for large multi-page tables.

Logging

- Component trace logging has been activated for StrComp. A log file named *I_[YYYYMMDD]_CdrStrComp_[nnnn].log* may appear in the log directory.

Runtime Server and Verifier

- Database queries performed during project and batch loading have been optimized.

Fixed defects

This release includes the following fixed defects.

Installation

- **TFS 11659:** Resolved an issue where the License Manager did not find the FineReader 11 license file.
- **Support case ID 01988698:** Resolved an issue where specific documents were rendered incorrectly due to missing fonts. The PIC installation now includes the Document Filters Fonts directory. For more information, see "About font mapping" in the *Perceptive Document Filters Implementation Guide*.

Runtime Server

- **TFS 10417:** Resolved an issue that occurred when Runtime Server stopped responding after a user deleted a group that contained a machine named *localhost*.
- Resolved an issue where only 64 RTS instances running concurrently with high priority processed batches, even if more instances were running and more batches were available. This issue occurred in MS SQL Server and Oracle.

Verifier

- **TFS 10611:** Resolved an issue where no new line was added to a table cell when the user placed the cursor in the input area and pressed Ctrl+Enter.
- **TFS 11150 / Support case ID 711561:** Resolved an issue where the first two list values were not present for the first document opened after launching Verifier when populating drop-down list values dynamically by script within the *VerifierFormLoad* event.
- **TFS 11357:** Resolved an issue where the error message dialog did not display for invalid filter queries. Now, a message displays when an entered filter query is invalid.
- **TFS 11845 / Support case ID 01943012:** Resolved an issue where initial manual extraction to a table cell failed if one or more header fields were invalid.
- **TFS 22127:** Resolved an issue where, when the user modified multiple fields and then pressed Enter, the fields had to be validated one by one instead of validating them all together.
This issue occurred only when the user navigated between the fields by pressing Tab.

Web Verifier

- **TFS 11537 / Support case ID 01170907:** Resolved an issue where Web Verifier failed to open a batch containing a document processed from a TIFF image with resolution unit value as one, and the error message "Current workdoc was corrupted. Please reimport this document to the database." appeared.
- **TFS 11655 / Support case ID 01306767, 01600039, 01532820, 00832274:** Resolved an issue where Web Verifier failed to open a batch containing a document processed using a TIFF image with apostrophe (') in the name.
- **TFS 11799 / Support case ID 01635045:** Resolved an issue that occurred when users assigned to a batch could open and successfully process the same batch concurrently if Web Verifier was installed on a multi-server environment.
- **TFS 11644:** Resolved an issue in which the Web Verifier application froze when the user selected a vendor item detail, pressed the Esc key, and then immediately navigated to the next document and clicked "Close" on the Save Current Document dialog box. The issue also occurred when the navigation pane froze for the following scenarios. **Scenario 1:** When the user changed a document and then navigated to the next document and clicked "Close" or pressed the Esc key on the Save Current Document dialog box. **Scenario 2:** When the user selected a vendor item detail, pressed the Esc key, and then immediately navigated to the next document and pressed the Esc key on the Save Current Document dialog box.
- **TFS 11872:** Resolved an issue in which a duplicate database entry was created in the **Settings** table every time a new user with no pre-configured settings clicked Save after modifying any setting on the Settings page.
- **TFS 11739:** Resolved an issue in which the time taken to verify fields was more than expected when the user attempted to validate fields after changing projects within the same session. This issue occurred when the user opened an ASE (Associative Search Engine) script dialog box in the first project while verifying a batch.
- **TFS 11608:** Resolved an issue in which the indexing view was erroneously refreshed when the user pressed the Backspace key either with the mouseClicked form event enabled or for read-only fields.

- **TFS 11735:** Resolved an issue in Indexing view which enabled the user to erroneously inject HTML content in a table cell.
- **TFS 11866:** Resolved an issue in Indexing view where the Backspace key erroneously functioned as the browser Back button when the user attempted to modify a read-only field using the Backspace key in Internet Explorer.
- **TFS 22115:** Resolved an issue in Classification view in which the Web Verifier application erroneously navigated to the next invalid document when the user pressed Enter in the class name box without selecting a class.

Engines

- **TFS 10899:** Resolved an issue where the Kadmos 5 engine returned an `Invalid classifier name` error when extracting a zone without changing the initial settings on the Recognition tab.
- **TFS 11256:** Resolved an issue that occurred when grayscale 16-color 4-bpp TIF files were OCR'd using FineReader 10 or 11.
- **TFS 11868:** Resolved an issue where the Transcript engine delivered as part of 5649a patch provided less and worse extraction results for high school tables than in the previous version.

Designer

- **TFS 11160:** Resolved an issue where, under certain circumstances, an automation error displayed when the user tried to learn a document.
- **TFS 11503 / Support case ID 01107692:** Resolved an issue where text was pasted twice when pasted into a field with validation type *List*.
- **TFS 11846 / Support case ID 01926194 :** Resolved an issue where learning an anchor using the anchor type **Fit to box corner** did not succeed.

Designer and Runtime Server

- **TFS 8995 / Support case ID 15093-26249:** Resolved an issue where the error message `'Finereader 10' at page 1: Not able to create image in memory occurred when LZW compressed TIF files were OCR'd.`

Database

- **TFS 11545 / Case id 01216352:** Under certain circumstances, the exception `The batch with ID: <BatchID> could not be loaded because it is currently locked for Import.` was logged many times in the SQL Server logs. This entry was logged erroneously and does not appear any more now.

Scripting

- **TFS 11884 / Support case ID 02169973 and 02143410:** Resolved an issue where, when a table cell was set to **Invalid** in the **Document_Validate** event, an error message erroneously indicated that the table is invisible and invalid. This error message does not appear any more now.
- **TFS 11886 / Support case ID 02173137:** Resolved an issue where it was not possible to change the `pWorkdoc.DisplayPage` value in the class script events `Document_OnAction`, `Document_Validate`, `Field_Validate` and `Table_CellFocusChanged`.

Learn Set Manager

- **TFS 11187:** Resolved an issue where the line items remained highlighted in grey when the **Correct table** button was disabled in the **Accumulated Documents Browsing** mode.

Document Filters

The following defects are fixed by the integration of Perceptive Document Filters 11.4.0.2480.

- **TFS 7955:** Resolved an issue where an **Out of memory** error occurred in Runtime Server during OCR of a 196-pages PDF.
- **TFS 9182:** Resolved an issue in Web Verifier where the function **Append document to previous one** performed on PDF or Excel files resulted in the message `Append operation for documents containing reference to no-image file is impossible.`
- **TFS 9644 / Support case ID 15093-29194:** Resolved an issue where tabs and spaces from a text file were incorrectly maintained when imported in Designer.
- **TFS 10710:** Resolved an issue where Runtime Server stopped responding during OCR of a large text file.
- **TFS 10754:** Resolved an issue where numbers and dates in an Excel file were not OCR'd during import in RTS.
- **TFS 10932 / Support case ID 00631485:** Resolved an issue where the structure of a table in an email was not correctly imported.
- **TFS 11006:** Resolved an issue where several words did not highlight and OCR'd text was wrongly appended to other words.
- **TFS 11874 / Support case ID 02021414:** Resolved an issue where the rendered image of a TXT file extended beyond the bottom of the page.
- **TFS 11880:** Resolved an issue where Runtime Server stopped responding when importing a corrupted PDF file instead of moving the file to the bad images directory.