

About this release

This set of release notes contains important information not included in other Kofax Transformation Modules documentation. Please read these release notes carefully before you install, upgrade, or use this product.

The full document set for Kofax Transformation Modules is available from <https://docshield.kofax.com/Portal/Products/KTM/7.1.0-rh4bj2m5vf/KTM.htm>.

Version information

The Kofax Transformation Modules 7.1.0 release has the following build number, which appears in the About Kofax window:

7.1.0.0.0.461

Quick links

See the following topics for more information about this release.

- [What's new](#)
- [Changes in behavior](#)
- [Resolved issues](#)

What's new

The following new features are available in Kofax Transformation Modules 7.1.0.

Feature	Description
Zone extraction for Kofax Clarity	<p>Kofax Clarity zone recognition is used when a Kofax Clarity zone profile is configured. This zone profile is available in the Advanced Zone Locator only. Zone recognition from Kofax Clarity uses clean zone snippets from the Advanced Zone Locator, which is designed for fixed-form documents. It is not possible to use the Kofax Clarity zone profile as the default recognition profile, as a field reread profile, or as an input for a mixed print profile.</p> <p>To optimize zone recognition, one or more pages with individual zones are bundled together and sent to Kofax Clarity. A volume license is consumed for each page in the bundle.</p>
OmniPage version update	<p>The OmniPage recognition engine was updated to version 22.0.0.2. This upgrade provides improved Arabic language recognition and support for PDF/A-4.</p>
New OmniPage zone recognition setting	<p>Use the new Additional Characters setting to refine your recognition results. This comma-separated list contains characters that are accepted in addition to the selected language.</p> <p>For more information, see OmniPage Zone Profile Settings window.</p>

Changes in behavior

The following changes have been made to the behavior of Kofax Transformation Modules 7.1.0.

Change	Description
File-based offline help for the Thin Client Server is no longer available.	To use the Thin Client Server help offline, follow the instructions in the <i>Kofax Transformation Modules Thin Client Server Installation Guide</i> .
Improved license counting.	Volume licenses purchased for term systems are properly decremented. Features limited by licensing work only if the corresponding volume license is available.
Network and database credentials encryption.	Any passwords or database connections, including those via Kofax Search and Matching Server have been updated to use AES (Advanced Encryption Standard).

Resolved issues

The following are the resolved issues in Kofax Transformation Modules 7.1.0.

Kofax Transformation Modules 7.1.0 is cumulative and includes resolved issues from previous versions, including fix packs released since Kofax Transformation Modules 7.0.0.

You can view the most recent Kofax Transformation Modules 7.0.0 fix pack [here](#).

The following resolved issues are available in Kofax Transformation Modules 7.1.0 by category:

- [General components](#)
- [Project Builder](#)
- [Tools and runtime modules](#)
- [Rich client user modules](#)
- [Thin Clients](#)
- [Product documentation](#)

General components

The following issues have been resolved in the general components of Kofax Transformation Modules.

ID	Issue	Solution
1936435	OCR (OmniPage) results for Hebrew are written out in the wrong order.	The recognition results using the OmniPage OCR engine for Hebrew and other right-to-left languages are now aligned correctly from right to left.
1934783 / 1935293	Memory leak when creating and removing field alternatives by script.	Improvements have been made so that memory leaks are not likely when creating and removing field alternatives by script.
1930274	QR code encoding is incorrect. Umlauts not recognized by the Bar code Locator.	Umlauts in QT codes are successfully recognized by the Bar Code Locator.
1892920	Format Locator: Fox-Exception: Index (-1) out of range.	This error is no longer encountered in PDF documents using a Format Locator because Unicode NONCHARACTER U+FFFF is no longer included in the extracted text.
1888602	Fields are not inherited into XDoc when document is reclassified in a project.	Field are inherited as expected when a document is reclassified.
1859390	OmniPage does not accurately read DataMatrix bar codes.	Updates to the OmniPage recognition engine have improved bar code recognition, including DataMatrix bar codes.

ID	Issue	Solution
1858142	Online learning confidence decreases after training.	Incremental online learning using specific knowledge bases is working as expected.
1825602	Custom storage string is limited to 1024 characters.	The maximum XML Output Buffer Length was increased to 32768 characters, enabling XValues of up to 32768 characters to be read from the XDoc.
1819541	Bar codes are not being recognized by OmniPage.	Bar codes with one character are successfully recognized by the OmniPage recognition engine.
1813132	Line breaks are missing in QR Code recognition.	Binary bar code detection is available when using the OmniPage recognition engine.
1812709	Fallback profile of RecoStar engine is not used in Advanced Zone Locator after migration.	If a project from a previous version of Kofax Transformation Modules has an Advanced Zone Locator that uses the deprecated RecoStar recognition engine, the appropriate fallback recognition engine is assigned after the project is updated.
1806324	Corrupted project issue with the length of the Project Comment Field if contains more then 992 chars.	A project with a Project Comment that contains more than 992 characters no longer corrupts the project.
1805136	Converting the image to black & white causes an error when reread option is used in table field.	Documents are successfully converted to black & white when the Reread setting is used for a table field.
1786032	When rotating a multi-page TIFF pages are lost.	Pages in a document are no longer lost after the document is rotated to correct its orientation.

ID	Issue	Solution
1785637	Fox-Exception: Index .. out of range (0 - 2).	The PDF engine has been upgraded so that hidden symbols and words no longer cause errors.
1265554	Relation Evaluator fails on overlapping alternatives.	Zones can overlap by 2 pixels for a Relation Evaluator without causing issues.
1165928	<code>TextLineIndexEnd</code> property on <code>CscXDocTableRow</code> is not updated properly.	This property is correctly updated as expected.

Project Builder

The following issues have been resolved in Project Builder.

ID	Issue	Solution
1939883	When trying to setup anchors in Project Builder an exception error is returned.	An exception error is no longer encountered when setting up anchors.
1934342	Bar code Locator (BCL) intermittently crashes in Project Builder during development.	The Bar code locator no longer causes Project Builder to crash.
1895139	Properties of Advanced Zone Locator configuration missing the Registration check box.	The Registration checkbox is now displayed as expected.
1822776	Fuzzy database lookup button hides columns if they were not selected for searching.	A new option in the Database Lookup Button Properties - Fuzzy Databases settings called Show All Columns is available. When selected, all database columns are displayed in the Database Lookup window in Validation or Thin Client Validation, even if they are not selected and included in the fuzzy search. This setting is set to FALSE by default.
1803000	New Project window - Import training set from disk feature not working.	It is possible to successfully import a training set via the New Project window.

ID	Issue	Solution
1774345	Edit Training Document window causes errors.	The Edit Training Document window is displayed as expected each time the window opens.
1759928	Advanced Zone Locator with zone without cleanup profiles crashes when settings window opened.	An error is not encountered if an Advanced Zone Locator does not include a cleanup profile
1759370	Advanced Zone Locator import fails if a zone OCR profile was used and this profile does not exist in project.	If an OCR zone profile that is part of an imported Advanced Zone Locator does not exist in the project, the configured fallback zone profile is used instead.
1692945	Bar code Locator - Bar code types supported by Autodetect are not cleared automatically when Autodetect is cleared.	When the Autodetect setting is cleared, all of the bar code types that were automatically selected as part of that setting, are cleared.
1369314	Project Builder crashes if <code>InsertPages</code> is used a lot (on more than 400 documents) in script.	Due to memory improvements, Project Builder no longer crashes when <code>InsertPages</code> is used a lot.
1257445	Error message when using encrypted file as sample for Table Locator.	Since encrypted files cannot be used as samples for a Table Locator, an appropriate error message is displayed.
980061	Test Validation throws exception when starting with a document that does not belong to the project.	If a document that is not part of the project is encountered, an error message indicating that it was not extracted with the project is displayed and the document is unclassified.
633234	OCR substitution - Deletion of all OCR substitution	It is now possible to permanently delete OCR substitution values.

ID	Issue	Solution
	values is not being honored.	

Tools and runtime modules

The following issues have resolved in other tools and modules.

ID	Issue	Solution
1924066 / 1929712	Project Merge Tool cannot merge project files with one or more Advanced Zone Locators.	It is possible to use the Project Merge Tool to merge projects that contain recognition profiles with fallback profiles.
1899774	Server 0x80010105 (26581751) crashes at Recognition/Mixed Print.	A crash longer occurs when using mixed print recognition, while detecting zone boxes for hand print.
1892976	XValues are lost after Server1 when running it for classification only.	<p>XValues are no longer lost when using multiple instances of Server. If two Server instances (Server1 and Server2) are used for a project and one instance performs classification and the other performs extraction, then the following script sample shows how to copy the XValues so they are available in KTM Server2.</p> <p>The following script sample calls a function from the project script for the <code>Document_AfterClassify</code> and <code>Document_BeforeExtract</code> methods.</p> <pre> Public Sub CaptureFieldsToKTMFields(pXDoc As CscXDocument) If Project.ScriptExecutionMode= CscScriptExecutionMode.CscScriptMode! Dim lCount As Long For lCount = 0 To pXDoc.Fields.Count - 1 Dim Key As String Key = "AC_FIELD_" & pXDoc.Fields.ItemByIndex(lCount).Name If pXDoc.XValues.ItemExists(Key) Then pXDoc.Fields.ItemByIndex(lCount).Text = pXDoc.XValues.ItemBy End If Next End If End Sub </pre>
1745675	Server writes logs to different log files <code>KTM_Server_YYYY_MM_DD.txt</code> and <code>KTM_Server_YYYY_MM_DD.txtYYYY_MM_DD.txt</code> .	Each module process now logs to its own log file.

Rich client user modules

The following issues have been resolved in the rich client user modules.

ID	Issue	Solution
1939872	Document Review hotkeys function differently than in previous versions.	The last selected value is now retained whenever a hot key is pressed.
1936906	Duplicate value in classification drop-down menu in Document Review module.	Class filtering has been improved so that the classification drop-down list contains one entry per class names only.
1888879	Filtering batches in Open Batch window fails on Priority level.	The priority levels displayed on the Open Batch window now behave as expected for the Validation module.
1885625	Classification list is blank with use of hotkey.	The last selected value is now retained whenever a hot key is pressed.
1858258	DBlookup fuzzy database by script is not working anymore.	Using a fuzzy database for scripted database lookups works as expected.
1818334	Document Review class list behavior ha changed.	When filtering the list of classes in the Document Review Class List combo box, the entered text filters the list in two ways: <ol style="list-style-type: none">1. First, any classes that start with the filtered text appears in alphabetical order in the filtered list.

ID	Issue	Solution
		<p>2. Next, any classes that contain the filtered text anywhere in their name are displayed at the bottom of the list, also in alphabetical order.</p> <p>For example, if you have 5 classes called <i>Invoices</i>, <i>Purchase Orders</i>, <i>Service Orders</i>, <i>Order Forms</i>, and <i>Accounting Orders</i>, and you type "order" in the Class List the results are as follows:</p> <ul style="list-style-type: none"> • Order form • Accounting Orders • Purchase Orders • Service Orders
1781803	Document is not shown in Validation when a field is not enabled or disabled.	When looking for the next focus field, disabled fields are skipped.
1765850	Document Review caches last keyboard entered document class.	The last keyboard entered document class is no longer cached in Document Review.
1745463 1732115	Validation steps 2 and later do not take correct rejection notes from <code>ACNotes.xml</code> file. Kofax Transformation Modules 6.4 does not use custom rejection notes from <code>ACNotes.xml</code> as described in online help	Rejections notes from the <code>ACNotes.xml</code> are correctly displayed in all Validation steps.
1602707	Confirmation window to save the data in Validation	Users are prompted to save data in Validation whenever closing, suspending, or when finished validating a document.

ID	Issue	Solution
	is shown only on first time but not afterwards.	
1278998	Language rejection note with special characters are not working (example in documentation is not working).	Language rejection notes now behave as expected. Any issues are logged in the error log.
1091352	Read-only table columns incorrectly handled by the lasso tool.	The lasso tool correctly handles read-only table columns.

Thin Client Server

The following issues have been resolved in the Thin Client Server.

ID	Issue	Solution
1939878	Thin Client Validation shows errors on activating Filters in Batch Open window.	Errors are no longer encountered when activating filters in the Batch Open window.
1934774	Increasing the table size by adding new rows does not move down the other fields or does not show a scrollbar.	When adding new rows to a table, a scrollbar is displayed when the number of rows is greater than the table size.
1922866	Thin Client Validation <code>Newtonsoft.Json</code> vulnerability.	The <code>Newtonsoft.Json.dll</code> package is now version 13.0.2 and does not have this vulnerability.
1890299	Batch Filter 'Same Date As' does return wrong results if client is in an earlier time zone.	When the Same Date As batch filter setting is selected, the date is first converted to the time zone of the client before formatting is applied. This ensures that the date used for formatting matches the date used by the client.
1859600	<code>ValidationForm_BeforeComboBoxDropDown</code> is not thrown anymore when combobox is entered.	If a combobox is populated via the <code>BeforeComboBoxDropDown</code> procedure in script, then combo box items are updated as expected, whenever selected or focused.
1857941	Thin Client Validation - move page order does not	It is possible to successfully move pages in Thin Client Validation using drag-and-drop.

ID	Issue	Solution
	work.	
1827003	Table fields are not shown at the expected location when the index fields are part of a group.	The order of the fields is retained when the Use defined form layout setting is selected.
1820987	<code>Application.UILanguage</code> property is empty in Thin Client Validation.	The <code>Application.UILanguage</code> property is correctly populated for projects configured to work for multiple languages.
1821064	Cell highlighting does not work properly for invisible columns.	Cell highlighting now works as expected when editing a table, even when there are invisible columns.
1819348	Thin Client Server retains old image while validating with slow network connections.	Improvements to document loading mean slow network connections are less likely to cause problems in Thin Client Validation.
1819344	Use As Display Field in the Synchronization Tool issue in Thin Client Validation.	Display field names are updated for all of the documents in Thin Client Validation.
1819339	Folder tab is not shown in Thin Client Validation.	The Folder tab is displayed as expected in Thin Client Validation.
1813122	Security: Sticky note content script is executed.	Sticky Note text is now encrypted so no scripts are executed as part of a Sticky Note.
1813115	Navigating to table having hidden columns and columnIndex of invalid cell is higher than visible column count is forcing logout.	Navigation in tables correctly accounts for hidden columns. As a result, users are no longer logged out when a hidden column is encountered.

ID	Issue	Solution
1803162	Deleting all documents in a batch prevents the batch from closing successfully.	It is possible to close a batch after deleting all documents in that batch.
1802656	Default buffer size too small for getting batch field values if there are lot of batches with long batch field values.	The <code>maxBufferSize</code> and <code>maxRecievedMessageSize</code> values are now set to 10000000.
1799787	Thin Client Server retains old image while validating.	The image is updated successfully as you navigate through a document during validation.
1785620	Image is not updated when validating last field in a document and moving to next document.	Images are successfully updated when the last field in a document is validated before moving to the next document.
1776491	Pop-up or right-click menus are not available in Thin Client text boxes anymore.	All menus are available in Thin Client text boxes.
1658943	Default Area->Page is not working in Thin Client Validation.	The Default Area -> Page setting for an Advanced Zone Locator work for both fields and folder fields.
676397	Unable to force validate fields with validation rules in Thin Client Server.	Forcing fields valid with script is fully supported.

Documentation

The following issues have been solved in the documentation.

ID	Issue	Solution
1927328	Wrong example regarding hidden columns.	The information about handling hidden columns has been updated. For more information see the Kofax Transformation Modules Thin Client Server Installation Guide .
1805716	SSL steps are incomplete.	The installation steps for SSL/HTTPS have been updated. For more information see the Kofax Transformation Modules Thin Client Server Installation Guide .
1790924	Confusing OCR engines help.	The documentation about recognition was updated to better explain the supported OCR engines. For more information see the Recognition Engines topic in the Kofax Transformation Modules Project Builder Help .
1622996	Line Item Matching Locator (LIMLOC) additional information about tables.	Information is available in the Line Item Matching Locator help about the expected layout of tables. For more information see the Line Item Matching Locator topic in the Kofax Transformation Modules Project Builder Help .

ID	Issue	Solution
887331	Documentation for <code>GetDocInfoByGlobalIndex</code> should clarify that it actually uses unchanging IDs, not an index of the collection.	The API documentation has been updated for these functions.
625800	The structural anchor in the AZL ignores the minimum width and height.	The documentation explains that if the detected structural anchor is a box, then the maximum height and width are not used. For more information, see the Properties of Anchor window topic in the <i>Kofax Transformation Modules Project Builder Help</i> .

Known issues

The following sections describe known problems, and if available, useful workarounds for Kofax Transformation Modules 7.1.0.

ID	Issue	Description/Workaround
	Outdated Technical Specifications document.	The Technical Specifications document that is included in the <code>KofaxTransformationModulesDocumentation_7.1.0_z</code> file is outdated. Please disregard this document and use the following Technical Specification document only. Kofax Transformation Modules Technical Specifications
1860412	An unauthorized 401.1 error is encountered when accessing the Thin Client Server in Mozilla Firefox.	Workaround: Refresh the browser.
1537221	Session is not logged out properly when the timeout difference is same or less than 1.5 minutes.	The session timeout message is not displayed correctly and the session is not logged out properly when the following criteria are met. <ul style="list-style-type: none">In the web.config file, the websocket time and session timeout have the same value.In the web.config file, the difference between the websocket time and the session timeout are less than two minutes.
630605	When documents are copied via drag & drop, an error can occur when the project is trained or when the documents are sorted on disk.	Workaround: When presented with this error, press the Ignore or the Ignore All button. Doing so repairs the defective documents.