



About this release

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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.

Version information

The Kofax Transformation Modules 7.0.0 release has the following build number, which appears in the About Kofax window:

7.0.0.0.0.401

Quick links

See the following topics for more information about this release.

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

[Home](#) > [What's new](#)

What's new

The following new features are available in Kofax Transformation Modules 7.0.0.

Check Locator

A new locator is available to process handwritten checks. This locator replaces the A2iA Zone Locator configured to use the CheckReader functionality.

A separate volume license is required to use this locator.

FormXtra handprint zone recognition

A new recognition zone profile is available so that an Advanced Zone Locator is able to recognize handwritten text. This new profile is available for seven languages and is able to extract various types of field data. Some of the field types have specific settings to further refinement.

Additional image cleanup settings enable users to clean images to improve recognition results.

Changes in behavior

The following changes have been made to the behavior of Kofax Transformation Modules 7.0.0.

A2iA recognition deprecated/unsupported

The A2iA Cursive Page Recognition (DocumentReader) functionality is now deprecated and no longer available in Kofax Transformation Modules. As a result, if you open a project that uses one or more Cursive (A2iA DR 9.1) recognition profiles that was created in an earlier version of Kofax Transformation Modules, these profiles are replaced with OmniPage page profiles with default settings. Review the new OmniPage page profiles and adjust them as required.

The A2iA Check and Cursive Recognition (FieldReader and CheckReader) functionality is no longer supported in Kofax Transformation Modules 7.0.0 and no further improvements will be made. The Check and Cursive Recognition Add-on is available to migrate existing A2iA Zone Locators. This recognition engine is available for reference purposes and so that existing projects with remaining licenses can make use of this functionality. However, the use of the A2iA Zone Locator is no longer supported. Instead, use the Check Locator.

Bar code recognition

The Bar Code Locator has been updated to use the OmniPage recognition engine for bar code recognition. All new bar code locators no longer have the FineReader tab. Instead, a Settings tab is provided instead, using OmniPage bar code recognition.

The OmniPage bar code recognition does not support Code 32, Aztec (1D), and MaxiCode bar code types. To use these bar code types, use Enhanced Bar Code recognition instead.

Enhanced classification locator

The full classification results are now attached to each alternative of the Classification Locator.

This information is available to scripting for further analysis as needed.

```
Private Sub Document_AfterLocate(ByVal pXDoc As CASCADELib.CscXDocument, ByVal LocatorName As String)
    Dim layoutresultxml As String
    Dim layoutresult As New CscResult
    layoutresultxml = pXDoc.Locators.ItemByName("ClassificationLocatorName").Alternatives(0).XValues.ItemByName("__LayoutClassificationResult__").Value
    layoutresult.LoadFromXmlString(layoutresultxml)

    Dim contentresultxml As String
    Dim contentresult As New CscResult
    contentresultxml = pXDoc.Locators.ItemByName("ClassificationLocatorName").Alternatives(0).XValues.ItemByName("__ContentClassificationResult__").Value
    contentresult.LoadFromXmlString(contentresultxml)
End Sub
```

FineReader recognition deprecated

This recognition engine is deprecated and no longer installed alongside Kofax Transformation Modules. As a result, if you open a project that was created in an earlier version of Kofax Transformation Modules and that project uses one or more FineReader recognition profiles, a project warning message is displayed explaining that the FineReader recognition engine is no longer available and that you can no longer use those FineReader recognition profiles.

A corresponding OmniPage profile is created for each FineReader profile. The OmniPage copy is a replacement for the FineReader profiles, yet the FineReader profiles are still available for reference purposes. Any unsupported language in the OmniPage recognition engine are mapped to a similar language that uses the same character-set. It is no longer possible to add new profiles or modify any existing profile to use the FineReader recognition engine.

If you attempt to perform OCR when your project is configured to use one or more FineReader recognition profiles, a fallback mechanism performs recognition using the corresponding OmniPage profile. This fallback mechanism does not negatively affect the recognition performance. When you decide to remove a FineReader profile, you are prompted to confirm its deletion and notified that the corresponding OmniPage fallback profile is renamed to match the FineReader profile that you are deleting. All instances where that profile is used, such as locators, profiles, and fields, are updated to use the renamed OmniPage fallback profile. The renaming of the OmniPage profile also takes over the internal IDs used the deleted FineReader profile. This ensures that there are no issues in scripting where references to recognition profiles is done using names and internal IDs.

When modifying an older project that uses FineReader profiles, it is recommended that any additions to that project use the OmniPage recognition profiles instead of the old FineReader profiles.

OmniPage recognition engine update

The OmniPage recognition engine was updated to version 21.10.6.

Online learning path backup

1409707: If you modify the online learning path, ensure that no other projects are using that path. Any data in the online learning folder may be corrupted and cause problems for other projects.

Now, when a project is opened a backup copy of the training database is created if Project Builder detects that the database structure has changed and the data model requires an upgrade. This can happen when the same learning folder is used for a production project and a copy of that same project is used for development. This backup copy is available to restore the older state of the database if needed.

PDF automatic table extraction

1299270: Several improvements have been made to the automatic mode of the Table Locator. Because of this, PDF table extraction has significantly improved.

Remote fuzzy database order

1528486: The arrows to reorder the list of remove fuzzy databases as well as the default icon have been removed because these had no effect on database access.

Save user settings in CaptureSV

It is now possible to redirect user settings for rich-client user modules so that they are saved in the APPDATA folder, rather than the default LOCALAPPDATA.

This is done by editing the <%ProgramData%\DOXIS\CaptureSV\Config\ACConfig.xml file.

Once this setting is in place, user settings related to docking or toolbar customizations are redirected to the APPDATA folder.

Add <AppData UseRoaming="1" /> to the configuration file using the following syntax. Create the <Transformation> node if it does not already exist:

```
<ACConfig>
.
.
.
  <Transformation>
.
.
    <AppData UseRoaming="1" />
.
.
  </Transformation>
.
.
</ACConfig>
```

[Resolved issues](#)

Resolved issues

The following are the resolved issues in Kofax Transformation Modules 7.0.0, including previous Fix Packs.

Issues resolved in tools and rich client user modules

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

Ampersand missing in double-blind verification

1267733: An ampersand (&) character is now displayed as expected when performing blind verification in the Verification module.

Automatic rotation with TDS

1586297: When using Trainable Document Separation, automatic rotation is now always applied when enabled.

Batch restructure via script issue

1253133: Orphaned XDocuments are now successfully removed when the Synchronization Tool is used.

Blank OMR regions in Advanced Zone Locator

1399927: Blank regions are no longer created each time an OMR zone is added in the Advanced Zone Locator.

Checkbox script event on click

1273680: Whenever a checkbox is selected or cleared the `AfterFieldChanged` event is now always executed, even when in a table.

Cluster error with image resolution

1403825: When performing clustering, any error messages about low DPI now include the name of the file causing the error.

Document Review open batch issue

1570958: An error no longer happens when opening a batch in Document Review, whether it opens automatically or the user opens a batch manually.

Fields not populated from lookup

1371245: When a database lookup is performed, all related fields are now successfully populated.

Format Locator input locator issues

1263307: It is no longer possible to select a locator with subfields such as the Invoice Group Locator, Invoice Header Locator, or the Database Locator as the Format Locator input locator.

Format Locator memory leak

1559353: The Format Locator no longer causes a memory leak when processing documents in the Project Builder.

OCR on-demand issue

1583990: OCR is now performed when needed when the recognition profile differs between the class and project.

Oracle timestamp column issue

1601897: The timestamp column no longer causes access issues when connecting to Oracle database tables.

Refresh Open Batch window issue

1327886: It is now possible to refresh the Open Batch window and then proceed to open any of the batches in the list.

Server dictionary error

1615398: There is no longer an issue in Server when accessing a dictionary.

Table row script error

1256623: The table row index is no longer an issue, whether a row is added, inserted, or deleted.

Test Validation UI elements disabled

1570951: Processing a document multiple times no longer disables any user interface elements.

XDoc representation and negative character

1538675: When there is a negative amount, the negative symbol is no longer interpreted as a word separation character. Because of this, whenever there is a negative amount, the negative symbol and the amount are recognized on the same line.

Issues resolved in the Thin Client Server

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

Auto complete cursor issue

1614728: When a field in Thin Client Validation is configured to use auto complete, removing any content using the Backspace or Delete key retains the current cursor position.

Disabled classification list showing

1621828: When the Show Class List setting is disabled on the validation form, the Classification Result is no longer displayed in Thin Client Validation.

Disabled Problem Reporting

1610452: When Problem Reporting is disabled in Thin Client Validation, both the button and the keyboard modal shortcut are disabled.

Table headings

1654830: If a table heading is added when configuring the validation form, this heading is now displayed as expected in Thin Client Validation.

Thin Client Server page header issues

1674159: The page header for any of the Thin Client Server modules is now displayed correctly, even if the Thin Client Server is installed on a different server than the rest of Kofax Transformation Modules.

Kofax Transformation Modules fix packs

The following fix packs have been released for Kofax Transformation Modules and the Thin Client Server since Kofax Transformation Modules 6.4.0 was released.

Kofax Transformation Modules 6.4.0 Fix Pack 9

The following issues have been resolved in the Kofax Transformation Modules 6.4.0 fix pack 9 (6.4.0.9).

OmniPage language error

1705619: OmniPage has been updated and an error no longer occurs when multiple languages are selected.

Script event not raised correctly

1697743, 1716902: The `AfterRowAdded` event is now raised each time that table rows are interpolated.

Kofax Transformation Modules 6.4.0 Fix Pack 8

The following issues have been resolved in the Kofax Transformation Modules 6.4.0 fix pack 8 (6.4.0.8).

Configurable OmniPage soft timeout

1699794: A new timeout property called `MpsPageRecogProfileOmniPage` is now available and can be set in script. The timeout value uses milliseconds for its unit.

Use the following syntax example for your installation:

```
Private Sub Application_InitializeScript()  
    Dim profile As MpsPageRecogProfileOmniPage  
    Set profile = Project.RecogProfiles.ItemByName("OmniPage")  
    ' Set timeout to 5 minutes  
    profile.Timeout = 300000  
End Sub
```

Report Viewer page and document count inconsistency

1698551, 1706261: The Report Viewer now shows the same number of documents as the number of scanned documents.

Document Review pending changes on batch close

1682236, 1671463, 1682238: It is no longer possible to close a batch in Document Review without being prompted to save any unconfirmed changes.

Kofax Transformation Modules 6.4.0 Fix Pack 7

The following issues have been resolved in the Kofax Transformation Modules 6.4.0 fix pack 7 (6.4.0.7).

Document Review document load delays with UNC paths

1669604, 1688797: Page updates have been optimized to improve document loading

Mixed print recognition issue

1662470, 1648370, 1648371: Project Builder and Server no longer crash when processing a project that uses a Mixed Print Recognition profile.

Kofax Transformation Modules 6.4.0 Fix Pack 6

The following issues have been resolved in the Kofax Transformation Modules 6.4.0 fix pack 6 (6.4.0.6).

Validation form field and button script behavior

Known issues

The following sections describe known problems, and if available, useful workarounds for Kofax Transformation Modules 7.0.0.

Broken forwards compatibility

If you open and save a project in Kofax Transformation Modules 7.0.0, that project can no longer be opened in any previous version of Kofax Transformation Modules.

Imports and deprecated recognition engines

1695918: You cannot import an Advanced Zone Locator or any recognition profiles that use the deprecated FineReader recognition engine.

Workaround: Install the FineReader Add-On and either purchase a license to use FineReader in production or manually migrate any Advanced Zone Locators to use a new recognition profile. Alternatively, open the original project in Kofax Transformation Modules 7.0.0 so that any deprecated recognition engines are upgraded to use new engines.

KSMS and 6.4.0.x fix pack upgrade issue

1776441: If you use the Kofax Search and Matching Server and have one of the 6.4.0.x fix packs installed, there is an issue when you upgrade to Kofax Transformation Modules 7.0.0. The `Kofax.KSMS.Global.dll` is missing after the upgrade. If you do not use KSMS or have not installed one of the 6.4.0.x fix packs, the upgrade works as expected.

Workaround: After the upgrade, perform a Repair of the installation. This restores the missing DLL.

KTM Statistics export connector not installed

If you selected the **Statistics Release** module when you installed Kofax Transformation Modules, the KTM Statistics export connector is not successfully installed. Because of this it is not possible to apply this export connector to a batch class and it is impossible to import and publish a batch class with statistics release.

Workaround: Follow these steps to register the KTM Statistics export connector manually.

1. Open Kofax Capture Administration.
2. From the **Tools** tab, in the **System** group, click **Export Connectors**.
The **Export Connector Manager** window is displayed.
3. Click **Add**.
A Windows Explorer window opens.
4. Select **KTMStatisticRelease.inf** and then click **Open**.
The **Add Export Connectors** window is displayed.
5. In the **Add Export Connectors** window, select **KTM Statistics** and then click **Install**.
6. When prompted, click **OK** to confirm that the registration of the **KTM Statistics** module is complete.
7. In the **Add Export Connectors** window, click **Close**.
8. In the **Export Connector Manger** window, click **Close**.
9. Close Kofax Capture.

You can now import and publish batch classes with the statistics export connector.

Offline documentation for Japanese

1775254: If you have configured file-based offline documentation and your application language is set to Japanese, the help opens in English instead of Japanese, as expected.

Workaround: Rename the Japanese folder from `%ProgramData%\Kofax\Transformation\Help\ja_JA\` to `%ProgramData%\Kofax\Transformation\Help\ja_JP\`.

Root element error when documents copied via drag & drop

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.

Thin Client Server timeout

1537221: The session timeout message is not displayed correctly and the session is not logged out properly when the following criteria are met.

- 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.

Uninstalling Kofax Transformation Modules 7.0.0

619511: The removal of Kofax Transformation Modules 7.0.0 can fail because the Server Scheduler service does not always stop in a timely manner when requested by the installer.

Workaround: Stop all Kofax Capture and Kofax Transformation Modules services before attempting an uninstall.