

Kofax TotalAgility

Release Notes

Version: 7.6.0

Date: 2019-11-15

The KOFAX logo is displayed in a bold, blue, sans-serif font. The letters are thick and closely spaced, with a consistent weight throughout. The 'K' and 'F' are particularly prominent due to their size and the boldness of the typeface.

Table of Contents

Chapter 1: About this release	9
Significant product updates in TotalAgility 7.6.0.....	9
Version information.....	9
Content changes.....	9
Chapter 2: New features	11
TotalAgility.....	11
Enhanced design experience.....	11
Profile management.....	12
Responsive forms.....	12
Multi-select controls.....	12
Undo and redo.....	12
Debugging.....	13
Docker container support.....	13
Enhancements.....	13
Transformation.....	15
Kofax Clarity recognition engine.....	15
Limited to Online Learning mode.....	15
Protected projects.....	15
Capture Client.....	16
Mini-viewer.....	16
Field zoom settings.....	16
Auto zoom area.....	16
Dynamically populate a column in capture Table control.....	16
Capture form behavior.....	16
Fuzzy search auto confirm.....	16
Insert page.....	17
Capture field percentage width override.....	17
Document preloading.....	17
Dynamic data source.....	17
Capture control layout.....	17
Kofax Export Connector.....	17
Expand Support for field mapping.....	17
Support for Repository Document ID.....	17
Assign Export Connectors multiple times.....	18

Message Connector.....	18
Normalization of PDF to PDF/A formats.....	18
Delete empty folders.....	18
Skip/Allow conversion of files.....	18
Mail content import options for file import.....	18
Conversion of PDF files.....	18
Enable impersonation.....	18
Support for Adobe Experience Manager.....	19
Conversion of body with message header.....	19
RelativeImagePath attribute.....	19
Import XML and render as PDF.....	19
MS Graph.....	19
Normalize images and create pages.....	19
Chapter 3: Changes in behavior.....	20
TotalAgility.....	20
Resize to fit property issue.....	20
SharePoint event.....	20
Product name changes.....	20
Node colors.....	21
Installation changes.....	21
Features deprecated or removed.....	21
Transformation.....	23
Regular expression changes.....	23
Format locator dictionaries and spaces.....	23
Message Connector.....	24
Improved notifications for failed import.....	24
Chapter 4: Resolved issues.....	25
Issue resolved in TotalAgility 7.6.0 R3.....	25
Upgrade issue.....	25
Issues resolved in TotalAgility 7.6.0 R2.....	25
Upgrade script export connector error.....	25
Issue upgrading customer artifacts.....	25
Issues resolved in TotalAgility 7.6.0.....	25
Incorrect documentation regarding Linked Servers.....	26
Error occurred when checkbox column had no value.....	26
“String or binary data would be truncated” error.....	26
Issue with DateChanged event on a Calendar control.....	26
Issue with minimum date range of Date formatter.....	26

Close action did not work with a modal window.....	26
Issue using security token with a Tab control.....	26
Issue with Tab control headers.....	26
Multi-value user claim rules always returned first value.....	27
GetSessionVariables API returned unencrypted variable value.....	27
Error calling SearchFuzzyDatabase() from a TotalAgility form.....	27
JobList form control issue.....	27
Content Manager Add document activity did not retain document title.....	27
CSS was not being applied on a dropdown box on form level.....	27
Document conversion not working with synchronous job.....	27
Activity still taken when navigating away.....	27
Issue using "select" option when mapping DB result to dropdown list.....	28
Error using apostrophe in redirect initialization variable.....	28
Forms failing to set property: CONSECUTIVOCIB_initialize.....	28
Issue with Show Message action.....	28
No assignment from Data backbone variable to String variable in Expression activity.....	28
Losing focus when text box used Currency field type and browser used French language...	28
Tab order incorrect on a Document form.....	28
Error using OOTB System map.....	28
Fields in Activity form did not resize according to layout change.....	29
Error on exporting a package that contained skins.....	29
Inconsistency in appearance of Dropdown list control.....	29
Fuzzy search action not copying selected values to mapped fields.....	29
Error returning boolean value to a checkbox column of a table on a tab.....	29
Missing information in the installation guide.....	29
Table row height not consistent.....	29
Old reference to generating work queue forms in Features Guide.....	29
Delete row action not working with capture tables.....	30
Error calling CaseService.GetCaseJobProperties close to case completion.....	30
XOR Branching rules incorrectly displayed as executed.....	30
Adding an action on Phone form caused blank display.....	30
Issue with vertical cell on a validation form.....	30
Form not displayed after expanding the window.....	30
Issue with Configuration Utility.....	30
Azure - DataLayer code not applied for all serialization models.....	30
The work type date field not converted to date at runtime.....	30
Error when work type Work queue control imported into 7.5.0.....	31
Misleading error when trying to add a dll with static .NET classes.....	31

Special character not escaping correctly on Validation document form.....	31
Export/Import of skin templates lost override settings.....	31
Null date note stored into database.....	31
Pending time in work queue not showing time.....	31
Form redirect action broken.....	31
Issue with textChanged event for decimal and currency data type.....	31
Incorrect documentation on Redirect action in TotalAgility help.....	31
Network path not accepted in File upload control.....	32
Case job could not be terminated.....	32
Issue with nested embedded jobs or subjobs.....	32
Redirect on activity cancel did not work when placed within a Tab control.....	32
Issue with Work queue form with spaces in its name.....	32
Control actions lost after regenerating a document verification form.....	32
Fragment job "Actual Finish" showed "Expected Finish" value instead.....	33
Suspend reason not set for main job when subjob was suspended.....	33
"Allow empty field" option in standard field validation rule did not allow empty field.....	33
Document ID not passed to Business rule formatter.....	33
A state change in a subjob recorded against the parent job after archiving.....	33
State incorrectly registered against a subjob.....	33
Chinese characters not displayed in work queue.....	33
Case health control displayed wrong time.....	33
Redirect action could not read the '\$className' property of undefined.....	34
Post validation error when business rule logging enabled.....	34
Sorting of import sources in the Designer.....	34
The Job ID search missing.....	34
Disable scroll wheel number change in numeric text fields.....	34
Improper neutralization of input during web page generation ('Cross-site Scripting').....	34
Improper error handling.....	34
Resource not found.....	35
Error occurred if RegEx contained double quotes.....	35
Column showing date only even though Date Time had been set.....	35
Continuous retry of an automatic activity caused job history to grow exponentially.....	35
Designer displayed messages in multiple languages.....	35
Work type variables in a table were automatically enabled.....	35
Description for Export System task available in TotalAgility help.....	35
Main database creation failed.....	35
Could not regenerate a form when data type was changed.....	36
Data not loaded on a Table control.....	36

Same page action failed when using decimal or currency.....	36
Take activity form loaded blank page in French environment.....	36
Issue with CompleteActivityAndProgress action on Document review take activity form.....	36
Incorrect documentation on RESTful service.....	36
Issue importing selected items in a package.....	36
Activity did not appear on the work queue.....	36
Update row action mappings lost.....	36
Calculation rules no longer worked.....	37
TotalAgility Workspace login issue.....	37
Issue with Composite action in a form template.....	37
DB query issue using Oracle aliases with quotes.....	37
Table rows were blank.....	37
NODENAME variable with trailing spaces.....	37
File upload control on a Tablet form caused error.....	37
German umlaut in Document type form name caused error.....	37
Fuzzy search returned wrong results.....	37
User redirected to the default work queue.....	38
Unable to view the inputs and outputs of the robot.....	38
Upgrade issue.....	38
Fuzzy search action configuration not saved.....	38
Alternative Extraction Search did not work.....	38
Issue with redirect on mobile forms.....	38
Business rule with an XML node failed.....	38
Could not overwrite the Width property of a cell.....	38
Calendar control displayed incorrect time.....	38
Incorrect SharePoint event was used for deleting documents.....	39
Error on upgrade or import to 7.5.0 when browsing custom work queue.....	39
Error when running stored procedure.....	39
Issue with View Parent link when viewing a subjob details.....	39
KCM Databackbone with status field set was not processed.....	39
Package included unreleased business rule.....	39
Mandatory setting on a dropdown list was ineffective.....	39
Action bar moved away on Job viewer.....	39
Package export issue.....	39
Time out error when PurgeJobs() was called.....	40
Display rule issue when used to show/hide the control.....	40
The behavior of tab index of forms was incorrectly documented.....	40
Custom user rules issue in federated security.....	40

Custom binding coreservice issue.....	40
Purge job suspended with an SQL timeout.....	40
Incorrect last action date value.....	40
Database configuration settings issue.....	40
Error including saved versions (non-integer) in CASE_DEF_COMP_RUNTIME.....	40
Stylesheet not applied correctly.....	41
Issue with TotalAgility installer software checks.....	41
GetActivities2() returned incorrect values.....	41
DPI resolution not displayed on Canon MFPs.....	41
Flatbed scanning not resumed if stopped on Ricoh Android MFPs.....	41
Error scanning job on Canon ScanFront MFPs.....	41
Issue with Radio Button control with no default settings.....	41
Unable to assign a string multiple times in a process Expression node.....	41
The DeleteJobNote method did not take milliseconds into account.....	42
CreateJobWithDocumentAndProgress accepts the Limited User Session ID.....	42
Sharepoint custom pages integration and security.....	42
API's limited user session ID support.....	42
Missing information regarding MSDTC.....	42
Issue logging in when 'Change Password on Next Logon' was enabled.....	42
Could not update an existing Job Note.....	42
Form display issue.....	42
Timing issue when clearing capture text fields.....	43
Webservice XSD file issue.....	43
Issue on restarting a completed job.....	43
Error when scanning with Black and White color setting after using color.....	43
Navigation menu collapsed on touch enabled devices.....	43
Error when mapping nullable oracle table field to DAS.....	43
Decision node validation issue.....	43
Error when archiving a job with a large history.....	43
Business rule failed.....	43
Resizing columns in Devices corrupts table formats.....	44
Issue when using SDK Objects in a Script activity.....	44
Output parameter type mismatch error.....	44
Dynamic complex variable pre-populated data stripped during import.....	44
Database tables were not created.....	44
Kofax Transformation Modules.....	44
Case sensitive Locator names.....	44
Japanese text search was not working.....	44

AGL exception occurred.....	44
Message Connector.....	45
Message Connector system limits not documented.....	45
Incorrect RootDocumentType in Kofax XML.....	45
Default folder shown as invalid.....	45
Create document from body option did not work.....	45
Jobs not created when importing XML.....	45
Dynamics CRM mappings were lost.....	45
File import issue.....	45
Issue importing MSG and EML files.....	45
Jobs not created for emails with no document attached.....	46
Email metadata not mapped after TotalAgility upgrade.....	46
TIFF file conversion issue.....	46
Could not configure two shared mailboxes.....	46
Wrong date format in date metadata fields.....	46
Skip file type does not work.....	46
Messages not imported on upgrading TotalAgility.....	46
Chapter 5: Known issues.....	47
Issue with HP client when TotalAgility is specified for the path.....	47
GetWindowsUser() returns app pool user in a distributed system.....	47
Association with document sets not exposed to process map.....	47
HP FutureSmart 4 MFPs display empty screen after fixing paper jam.....	48
Unable to import the German language pack.....	48
Delete button is inconsistent on Lexmark cSF image preview.....	48
Split login with the Scan activity does not display a valid error.....	48

Chapter 1

About this release

The release notes give you information about TotalAgility 7.6.0 R3. Please read this document carefully, as it may contain information not included in other product documentation.

Customers upgrading TotalAgility 7.3.0 to 7.6.0, or 7.4.0 to 7.6.0 must install this release, as it handles two upgrade issues mentioned under Content changes section.

Significant product updates in TotalAgility 7.6.0

In view of Microsoft ending support for Silverlight by 2022, Silverlight is replaced with HTML in the Kofax TotalAgility Designer.

The Kofax logo is changed.

The Designer is now aligned with the updated company UX guidelines to include a number of UX improvements to enhance the look and usability. For example how artefacts are consumed is changed in the TotalAgility Designer.

Version information

The original build number of TotalAgility for which this revision is done is 7.6.0.0.0.471.

The build number for TotalAgility 7.6.0 R2 is 7.6.0.0.R2.544.

The build number for TotalAgility 7.6.0 R3 is 7.6.0.0.R3.630.

To verify the build number, launch the TotalAgility Designer and navigate to **System > System settings**.

The version information is available at the bottom right corner of the System settings page. The last three digits correspond to the build number.

Content changes

This section lists changes made to the Kofax TotalAgility 7.6.0 release notes document since it was initially published.

Revision	Date of change	Description
Kofax TotalAgility 7.6.0 R2	Aug 22, 2019	Added the following items to the Resolved issues chapter: 1307648 1305215
Kofax TotalAgility 7.6.0 R3	Nov 15, 2019	Added the following item to the Resolved issues chapter: 1346509

Chapter 2

New features

This chapter describes the features and enhancements included in TotalAgility 7.6.0.

TotalAgility

This section describes the new and enhanced features in TotalAgility 7.6.0.

Enhanced design experience

This section describes the items that have enhanced to provide a better design experience.

Home

The Home page is action oriented. You can use the quick links to design a process, case, business rule, form, extraction group or folder, or view the items you were recently working on.

Navigation

Navigation is simpler with more efficient drill-down and easier navigation between levels.

Browser tabs used for complex items

Browser tabs are used for complex items such as processes, forms, extraction groups and others. This helps in easy use of dual monitors for side by side comparisons and easy navigation between open items. The currently open item is visually indicated.

Themes

You can set a theme in System settings. This theme is then used when designing a form to give you a WYSIWYG experience.

Pop-ups for minor tasks

Pop-ups are used for minor tasks, such as creating a resource.

- All items which are needed are available within the pop-up. You can no longer jump between tasks forgetting to confirm an action.
- All mandatory fields are marked with asterisk.
- Unsaved changes are highlighted at the pop-up title with asterisk.

- The “drag and drop consume” functionality is replaced with dropdown and only applicable items are displayed.

Properties re-design

The properties of processes, activities, forms, controls and extraction groups are rearranged and grouped logically so that they are easier to locate.

- The properties panel is displayed alongside the selected item.
- The properties panel can be minimized or expanded using the arrow above the tab icons.
- The item name is displayed at the top of the properties panel.

Note An extraction group does not have the minimize icon but has a splitter.

Non-intrusive messages

The solution development time is reduced, as you no longer have to manually confirm messages, such as “Item successfully saved”.

System settings categorization

The categorization of settings has improved. The items are only displayed if you have appropriate permissions. The version is always displayed on the System settings page. You are only prompted to restart services where required.

Profile management

You can change working category, set preferences for the Home page, change password and upload picture for your profile

Responsive forms

You can set the form so that it is responsive at runtime and adjusts itself to suit the device it is viewed on.

When you view a form in a browser and the screen or the browser window is wider than it is tall, the form is displayed as it is in the Designer. But, if the screen or the browser window is taller, the cells (within a row) and columns are displayed vertically instead of horizontally, and menus display arrows to navigate to the menu items that do not fit.

Multi-select controls

You can select multiple fields and move or cut/copy and paste or set common properties. The ability to multi-select fields is helpful in designing large forms efficiently.

Undo and redo

Undo and Redo buttons are available on the Action bar to undo or redo the changes within a process, form, extraction group or folder. You can undo/redo a maximum of 30 updates, such as typing or design

changes. The undo/redo list is cleared when an update is made on any area outside the Design tab or when switching between form factors.

Debugging

You can debug process maps and forms at runtime. Debugging increases efficiency as issues can be identified much quicker when developing a solution. In a debugging mode, you can do the following with a process and form:

- **Process:** Set breakpoints, view and edit variable values, step through the activities, set next to another activity, or run to the next breakpoint, and view job related information and update where appropriate.
- **Form:** Set breakpoints, view and edit variable values, step through the actions, or run to the next breakpoint and expand server side actions to show its inputs and output.

Docker container support

Docker container support is available to allow customers build and deploy TotalAgility in a Docker container. Docker provides the ability to package and run an application, such as TotalAgility in a loosely isolated environment called a Container. The isolation and security allows you to run many containers simultaneously on a given host using less resources than virtual machines.

Enhancements

The following enhancements are made in TotalAgility 7.6.0.

Smart import

Previously you needed to know the type of zip file you were importing and navigate to the corresponding module within TotalAgility to import that file.

Now you simply import the zip file and the system determines its type and presents the appropriate import options.

Business rules

Only options relevant to business rule are available for business rule design. States, Milestones, Roles, Notes, Process events and Document set are not available.

Forms

Tabs and forms displayed within the Capture client controls are now editable inline instead of having to launch a new form editor window.

You can update common properties, such as width, margins, style and label of multiple controls at one go.

Associations for global variables

You can view associations for global variables and identify the list of forms and actions using the selected variable.

Automatically inherit category

The newly generated form automatically inherits the category of the item it is created for. For example, Scan create new job and Activity forms inherit the category from the process, and Document forms inherit the category from the extraction group. However, you can change the name and category.

Extraction group and folders

You can add type specific field via the toolbar, locate nodes using the new search option, and double click on a node in the tree to edit the name. You can undo and redo action.

A breadcrumb shows path to current location.

Document system properties

The following fields are added to document system properties: ImageProcessingAllPagesDetectedBlank and ImageProcessingBlankPagesRemovedCount. These fields are populated in the Image processing activity after applying VRS on a document.

Scan/VRS profiles

When color mode is set to black and white, the TIFF compression and Compression quality settings in the Scan/VRS profiles configuration page are hidden, as these settings are not used in the black and white mode.

The new default values for Scan resolution and Compression quality are 300 and 85 respectively.

Add worker groups

Previously you had to create the resource and then open each group and add them in the group. You can now assign the groups that the resource should belong to at the point of creating the resource.

View and download document templates

You can view the document template, or download the template to update it and then update the store.

Reorder lookup items

You can reorder the lookup items and also sort them alphabetically.

License statistics

Digit grouping is added to the volume numbers to make them easier to read, for example, 9,968,045 instead of 9968045.

The Used volume column is added on the Licenses page displays existing volume usage rather than comparing "Remaining" to "Full count".

Update archive job mechanism

The update archive job mechanism supports the jobs with large history data using SSIS or archiving data in chunks while maintaining data integrity. Processes that have large running loops can produce large history data. This leads to transaction timeout errors when it is archived by the Core Worker.

Transformation

This section describes the new and enhanced features in Transformation

Kofax Clarity recognition engine

This recognition engine performs full-page recognition and is specialized to recognize text at any location on an image (Text mode). For example, photographs of people or places, street signs, ID cards, or business cards. Because these images can be distorted, have perspective issues, or contain glare from reflected light, Kofax Clarity can overcome these issues to provide successful OCR results.

You can also use this recognition engine to recognize classic paper documents and forms (Document mode).

These benefits are possible because Kofax Clarity uses the scalability of cloud computing to perform OCR over an internet connection. This cloud architecture has the additional benefit of moving OCR processing online and away from the Kofax Transformation Modules Servers. All transmitted data is encrypted over an HTTPS connection.

The cloud services used by Kofax Clarity have been reviewed by an independent Qualified Security Assessor and are determined to be PCI DSS 3.2 compliant. Therefore, you can rely on the cloud service provider's compliance for the infrastructure and platform components it provides.

Limited to Online Learning mode

By default, the Project Builder is run so that all administrative functionality is available to all users. However, an organization may have users who specialize in maintaining online learning, but have no need or interest in modifying the project configuration itself.

Project Builder is now available in two separate modes: Project Builder and Project Builder (Limited to Online Learning).

Protected projects

Protecting a project enables users to ensure that all sensitive data in a project is encrypted and inaccessible to a customer, but the project is still fully functional. Users cannot access this information through script or by any other means.

When a project is protected, a password is provided. This password ensures that other users cannot access the project. You can decrypt the project at a later point, if necessary.

Capture Client

This section describes the new and enhanced features in the Capture Client.

Mini-viewer

You can place a min viewer independently as any other control. You can specify the exact position of the mini-viewer instead of restricting it to just above, below, left, or right of an index field. Deleting the detached miniviewer allows the legacy mode to be used again.

Field zoom settings

You can configure auto-zoom for document fields with or without OCR zone being linked to the field. Once defined, the new configuration is automatically used the next time the document form is loaded. Only one auto-zoom setting is allowed per document type.

Auto zoom area

A system setting, "Scroll image viewer with mouse wheel" is available in TotalAgility Designer that enables scrolling in the capture activity image viewer using mouse wheel. You can use various key combinations for scrolling and/or zooming. The key combinations vary based on whether the system setting is enabled or disabled.

Dynamically populate a column in capture Table control

You can dynamically populate the dropdown list for capture table cell of a choice type. However, for forms prior to 7.6.0, the default value set in the static data source is applied even if the dynamic data source is configured. You must regenerate the forms to allow dynamic population of data.

Capture form behavior

The following system settings are added to the Capture form behavior section of the TotalAgility Designer.

- "Confirm/Validate with TAB key" simultaneously performs field confirmation (ENTER) and moves to next field (TAB).
- "Auto-validate field after OCR lassoing" allows auto-field confirmation after OCR lassoing. This saves operators a key press (ENTER) after OCR lassoing.
- "Highlight entire capture field text on click" allows entire field be highlighted on mouse click. Once enabled, all contents of a capture field are highlighted when user clicks into it.

Fuzzy search auto confirm

When selecting fuzzy search data, in addition to returning the selected search result data to the field, TotalAgility also auto-confirms the result. This saves operator a key press (ENTER) to enhance productivity.

Insert page

New context menu and hotkey option are available to insert page. TotalAgility inserts all pages being scanned or imported, but no document separation takes place for the pages being inserted. Insert location is based on the location of the click and usage of hotkeys. For example, if you right-click between thumbnails, pages are inserted at that location. If using hotkey, pages are inserted before the currently selected page.

Capture field percentage width override

You can set the fixed width mode for individual controls on a form even if percentage width is set for the form.

Document preloading

The system setting, "Enable document pre-loading" allows document preloading when opening a job. This improves user interface responsiveness, at the cost of higher server load.

Dynamic data source

You can specify the dynamic data source for a choice list column in a capture table. The .Net method, Web service, and DB query form action types can be used as a dynamic data source. The dynamic data source assigned takes precedence over any static or lookup defined in the extraction group.

Capture control layout

You can define the default layout for capture controls in Scan, Document review, Validation, and Verification activities. This allow solution designers to present a consistent and optimal layout to their users, without requiring the users to set it up themselves. Once defined, any capture activity form without an explicitly assigned layout uses the default. Only one layout per control type can be set as default.

When assigning layouts in a form, the "Lock layout" setting prevents from changing the layout at runtime.

Kofax Export Connector

This section describes the new or enhanced features in Export Connectors.

Expand Support for field mapping

You can map folder fields and process variables in TotalAgility with export connectors.

Support for Repository Document ID

The Repository Document ID allows exporting documents to a repository, such as Documentum while passing a reference pointer to subsequent export connectors, such as SharePoint.

Assign Export Connectors multiple times

You can assign an export connector to run multiple times for the same document type in the Export Configuration utility to eliminate the need to implement workarounds and provide parity with Kofax Capture.

Message Connector

This section describes the new or enhanced features in Import Connectors.

Normalization of PDF to PDF/A formats

When configuring an EWS import source, you can configure the Output PDF format for the normalized PDF files.

Delete empty folders

When configuring the File import source in TotalAgility, you can choose to delete the empty subfolders after importing the files.

Skip/Allow conversion of files

When creating a Document conversion profile, you can select to skip or allow conversion of certain file extensions on the basis of file type and file size.

Mail content import options for file import

When importing EML and MSG files from a folder, you can select the mail content, such as body first and attachments, only attachments, and only body. You can also include or exclude the message headers of EML /MSG files and embedded emails.

Conversion of PDF files

You can pass an array of passwords as strings, which the document converter will then use for converting the password protected PDF file to TIFF. It will try from the first password in the array of passwords and on the first successful attempt it will return the conversion result. If none of the passwords succeed it will return a document conversion error.

Enable impersonation

A new configuration parameter in the EWS mailbox configuration is available that allows to choose between delegation and impersonation, when accessing shared mailboxes on the Exchange Server.

Support for Adobe Experience Manager

TotalAgility supports Adobe Experience Manager for flattening of XFA forms during import.

You can also use Adobe LiveCycle, if supported, for the conversion of XFA Forms.

Conversion of body with message header

When normalizing EML files to PDF, you can use Microsoft Office to convert body along with the message header. Microsoft Office must be installed on the computer where Message Connector is running.

RelativeImagePath attribute

A new attribute, `RelativeImagePath`, is added to the Kofax XML. This attribute contains the path of the external files which are referenced in XML. The files specified in `Page` elements are imported from the path.

Import XML and render as PDF

In a Document conversion activity, you can specify settings for importing an XML file and rendering it as a PDF file.

MS Graph

For importing files from an Exchange server, you can use a new import source, MS Graph. For this, you need to create an application in Azure Active Directory and assign necessary permissions.

Normalize images and create pages

When importing images, you can normalize them and create pages. By default, this option is selected if you are upgrading from TotalAgility 7.5.0 or lower version. We do not recommend to use this option in new process maps. For new process maps, use the Document conversion activity for importing images and creating pages and then apply the Image processing activity.

Chapter 3

Changes in behavior

This chapter describes changes to the product behavior since the previous release.

TotalAgility

The following changes are made in TotalAgility.

Resize to fit property issue

When the "Resize to fit" property of an Image control is not enabled and a single image is added to a form, the image either shrunk or increased in size at runtime depending upon the image dimensions. The image height and width specified in the Designer were ignored. From TotalAgility 7.6.0, for a single image, the height and width specified in the Designer are applied when the "Resize to fit" property is not enabled. This change in behavior may break the layout/positioning of existing forms created in TotalAgility 7.5.0.

SharePoint event

When integrating TotalAgility with SharePoint, the ItemDeleting event is renamed as ItemDeleted.

Product name changes

The following changes are made in TotalAgility 7.6.0:

- HP TRIM is renamed as Micro Focus Content Manager.
 - HP TRIM Add Document activity is renamed as Content Manager Add document activity.
 - HP TRIM Get Document activity is renamed as Content Manager Get document activity.
 - HP TRIM Create folder activity is renamed as Content Manager Create folder activity.
- Kapow is renamed as RPA.
Kapow activity is renamed as RPA activity.
- Customer Communication Manager is renamed as Kofax Communication Manager (KCM).
 - CCM compose activity is renamed as KCM compose activity.
 - CCM distribute activity is renamed as KCM distribute activity.
 - CCM pack activity is renamed as KCM pack activity.
- SignDoc is renamed as Kofax SignDoc.

Node colors

On a clean installation, the default node color is blue. On upgrading TotalAgility to 7.6.0, the node color for all the activities is set to the original blue color only if the Use system color property of an activity within the process was already selected.

Installation changes

Azure default setting changes

For an Azure environment, the default reset activity interval assigned to each worker task is increased to 900 seconds from 300 seconds. A tenant can still override this default value by setting the expected duration of an activity within the process in the TotalAgility Designer.

SQL command utility

For TotalAgility 7.6.0, SQL 2012 or higher versions are supported. When upgrading to TotalAgility 7.6.0 from lower versions in which database was SQL server 2008R2, the upgrade fails if you do not upgrade the database version.

Features deprecated or removed

The following features or requirements are deprecated or removed in TotalAgility 7.6.0.

Internet Explorer 11

The TotalAgility Designer 7.6.0 will not be supported in Internet Explorer 11.

The Workspace and forms will still be supported in Internet Explorer 11.

Firefox

Firefox is not supported in TotalAgility 7.6.0.

Skill and security

You can no longer set the skill levels and security level for a group or a role.

Virtual folders

Virtual Folders within a case definition are no longer supported.

Import and export

- You can no longer import a business event, alert, target or work allocation rule using an XML file. They must be in a zip.
- You can no longer export a work allocation rule, event or alert on its own. You must use a package.

Integration

You can no longer define database connection strings (shortcuts) from the Integration menu.

Forms

- You can no longer type in an image name (used for quickly providing an image) when Load image from store = Yes.
- Touchstart, touchmove, touchend events on touch controls are no longer supported.

Entities

This feature is dropped from TotalAgility 7.6.0.

Simulation

This feature is dropped from TotalAgility 7.6.0.

Automatic refresh (minutes)

The Automatic refresh (minutes) property from the System settings (System settings > Work process > Work queue) is removed. The refresh interval can be set on the Work queue control instead.

Scan/VRS profile settings

The JPEG compression and Compression quality settings for a Scan/VRS profile are no longer available.

Document conversion functionality in the Image processing activity

The document conversion functionality in the Image processing activity is deprecated in TotalAgility 7.6.0. Though it is still available, but is not supported anymore.

The Image processing activity should only be used for VRS. For document conversion, the Document conversion activity should be used.

Sticky sessions

The Sticky sessions feature is no longer available. The sticky sessions enabled in previous versions of TotalAgility will be disabled on upgrading to TotalAgility 7.6.0.

Resources and roles

You can no longer set the skill levels and security level for a group and a role.

Expected cost

The Expected cost property from the automatic activities is removed.

Deprecated record in TotalAgility reporting tables

The "is_processing_completed" record is deprecated from "batch_sess_snapshot_fact" table in the TotalAgility reporting tables.

TotalAgility SDK methods

The following is the list of TotalAgility SDK methods deprecated and replaced.

Deprecated methods	Replaced methods
ResourceService	
GetWorkerGroupResource()	GetWorkerGroupResource2()
GetSupervisors()	GetSupervisors2()
ServerService	
UpdateServerSettings3()	UpdateServerSettings4()
GetAuditEntries()	GetAuditEntries2()
SendEmail2()	SendEmail3()
SigningService	
GetSignDocTemplate()	GetSignDocTemplate2()
GetGeneratedDocumentTemplate()	GetGeneratedDocumentTemplate2()
UserService	
GetLoggedInUsers()	GetLoggedInUsers2()
LogOffUsers()	LogOffUsers2()

Transformation

Regular expression changes

The syntax used for regular expressions is updated. The behavior of the "{" and "}" characters are changed. These two characters are treated as ordinary literals when used in a context that does not include a repeat, and no error is returned when these characters are used.

Format locator dictionaries and spaces

The behavior for spacing when dictionaries are included in a regular expression is updated.

When using a dictionary as part of a regular expression, if the Ignore Blanks option is selected, it does not ignore spaces that are long enough to be classified as a tab. As a result, if your regular expression does not return the results you expect, the space left or right of the dictionary hit might be big enough to be considered a tab, so consider adding a \t? to your expression.

Message Connector

Improved notifications for failed import

The document conversion activity was enhanced to provide more details in the error messages for the files that are not successfully imported in the Message Connector. For example, if the input PDF file is corrupt or invalid, or the input PDF file contains only blank pages and more.

Chapter 4

Resolved issues

This chapter describes issues that are resolved in Kofax TotalAgility 7.6.0.

Issue resolved in TotalAgility 7.6.0 R3

The following issue has been resolved in TotalAgility 7.6.0 R3.

Upgrade issue

During an upgrade from Kofax TotalAgility 7.5.0 to 7.6.0, the upgrade failed when "@" symbol was used in an Expression activity. (1346509)

Issues resolved in TotalAgility 7.6.0 R2

The following issues have been resolved in TotalAgility 7.6.0 R2.

Upgrade script export connector error

When Kofax TotalAgility was upgraded from 7.4.0 to 7.6.0, an error occurred in the upgrade script because of a custom export connector. This error caused DB script to fail with the following error:

```
"Cannot insert the value NULL into column 'CONNECTOR_DISPLAY_NAME', table 'TotalAgility.dbo.EXPORT_CONNECTOR'; column does not allow nulls. UPDATE fails."
```

As a result, the upgrade failed with the 'upgrading databases' and 'upgrading database artifacts' errors. (1307648)

Issue upgrading customer artifacts

When Kofax TotalAgility was upgraded from 7.3.0 to 7.6.0, the installation failed to upgrade customer artifacts with the following error: "...Invalid rule: Unterminated string...". This error occurred because of the presence of "\\" - two backslashes, in one of the Expression nodes in one of the processes. (1305215)

Issues resolved in TotalAgility 7.6.0

The following issues have been resolved in TotalAgility 7.6.0.

Incorrect documentation regarding Linked Servers

The TotalAgility Features Guide had incorrect information about the Linked Servers. (1279116)

Error occurred when checkbox column had no value

There was an error, ERROR_GET_DOC_PROPERTY on calling GetDocumentTableFieldValue2, as the API was not able to handle the checkbox column having no value. (1278198)

“String or binary data would be truncated” error

The “String or binary data would be truncated” error occurred as the number of characters for resource name allowed in Finished table was inconsistent with live tables. (1277990)

Issue with DateChanged event on a Calendar control

The DateChanged event was not correctly fired on a Calendar control when the date was manually updated.

When the Calendar control was used to update the Capture Date field using the Same page action on the DateChanged event of the Calendar control, it worked fine when the date picker was used. But when the date was changed manually in the Calendar control, the dateChanged event was fired but the capture date field did not get updated. (1277950)

Issue with minimum date range of Date formatter

The minimum date range of a date formatter was not working as expected. For example, when "20110813" was entered as sample input text, the output was "20/11/0813". (1274957)

Close action did not work with a modal window

For a modal window, the Close action on a button click did not close the window and the window remained visible. (1272874)

Issue using security token with a Tab control

If the Form cache was enabled, and if the security tokens were enabled on a form that had a Tab control for which the security tokens were not configured, there was an issue.

For example, if the security tokens were enabled for a Document Validation form which had a Tab control where security tokens were not configured, and if the document type was changed at run time during validation, and then changed back, the tabs duplicated. (1271798)

Issue with Tab control headers

The Tab control headers loaded blank on a form that was using security roles and lookups. This issue occurred only on Firefox. If there was a dropdown list populated by a lookup on the form, the form loaded

the Tab control with blank headers on the 2nd or 3rd load of the form. The issue replicated with Forms cache disabled. (1271637)

Multi-value user claim rules always returned first value

When the Federated security 'custom user rules' was used if the claim type contained multiple claim values, TotalAgility always returned the first claim value. (1269349)

GetSessionVariables API returned unencrypted variable value

Previously, when the GetSessionVariables API returned unencrypted variable value, no message was displayed. Now an appropriate message is displayed if a resource who does not have Designer access tries to trigger the GetSessionVariables API. (1267615)

Error calling SearchFuzzyDatabase() from a TotalAgility form

When SearchFuzzyDatabase() was called from a TotalAgility form, the "Object reference not set to an instance of an object" error appeared when the databaselidentity.Name value was passed into the method. (1266956)

JobList form control issue

When a JobList form control was configured to redirect job details to a custom form, the OOTB form (JobDetailsProperties.form) was used instead due to the existence of the JobID column in the job query results. (1266457)

Content Manager Add document activity did not retain document title

On upgrading TotalAgility, the Document title property in the Content Manager Add document activity was not retained. Retrieving the document later in the process flow resulted in the checked out document being called "Document title" instead of the actual value in the mapped parameter. (1265842)

CSS was not being applied on a dropdown box on form level

When a CSS was applied at the form level, on upgrading, the CSS did not apply to a dropdown box. (1264917)

Document conversion not working with synchronous job

When a Document conversion activity was called within a Synchronous map, it did not work. (1264395)

Activity still taken when navigating away

During the workflow, after looping back to an ordinary activity if the activity was taken again; navigating away from the activity form left the activity in a taken state. (1263138)

Issue using "select" option when mapping DB result to dropdown list

When using a DB query form action, the "select" option could not be used when mapping DB result to dropdown list in forms; it always reverted back to "populate". (1259511)

Error using apostrophe in redirect initialization variable

Apostrophe in redirect initialization variable caused the following error: "JSMIN unterminated string literal." (1259462)

Forms failing to set property: CONSECUTIVOCIB_initialize

When Create job button was clicked on a scan form, the user was redirected to the general work queue, and the following error occurred:

"Failed to set property: CONSECUTIVOCIB_initialize." (1259304)

Issue with Show Message action

The Show message action after Redirect was not executed when called from Web Capture control Save event. (1259231)

No assignment from Data backbone variable to String variable in Expression activity

When an Expression activity was used to assign a value from a field set in a Data backbone variable to a String variable, the result was always null and there was no assignment. (1259108)

Losing focus when text box used Currency field type and browser used French language

If the browser used French (Canada) (maybe any language settings that use comma as a decimal separator), and a text box used Currency field type and allowed decimals, then leaving the field multiplied the value by 100. (1258479)

Tab order incorrect on a Document form

When the Form cache was turned off, the tab order worked the first time a batch was loaded and the document form was loaded. Any repositioning to a new document caused the tab order to stop working inside the document validation form. (1258013)

Error using OOTB System map

When the OOTB System map, "System Checks For Completed Delegation" was used without any modification for a delegation that was created, the job suspended on the "Get Deletion Info" node.

For example, if a delegation was created without specifying an end date, the next time the "System Checks For Completed Delegation" map was run (either manually or via scheduled jobs), the following error occurred: "Specified Cast Is Not Valid". (1257454)

Fields in Activity form did not resize according to layout change

In some forms, the fields resized when layout changed. For example, the fields in Document form resized when the layout changed. However, it was not the case for Activity forms. The fields width remained the same when the fields panel shrunk in width, or became wider. (1256922)

Error on exporting a package that contained skins

If the "Template skins" property was selected on creating a package, the package was created without any error. However, the generated package could not be imported into the target environment. The following error was reported: "There is an error in XML document (1, 2)". (1255778)

Inconsistency in appearance of Dropdown list control

There was a difference in appearance of a Dropdown list control, on upgrading TotalAgility from 7.3.0 to 7.5.0 due to the default label width properties overridden by CSS styles. (1255626)

Fuzzy search action not copying selected values to mapped fields

When a Fuzzy search action having the same name was associated with a button on all document forms in Validation, the selected values were not always copied to the associated text fields. (1252881)

Error returning boolean value to a checkbox column of a table on a tab

When the DB query action on a form returned a boolean value to a checkbox column of a Table in a Tab on a form, the browser threw the following error: "Cannot read the property 'select' of undefined". (1251046)

Missing information in the installation guide

The TotalAgility Installation Guide did not mention to reserve a namespace for PackageStreamingService.svc. (1250852)

Table row height not consistent

On upgrading TotalAgility 7.3.0 to 7.5.0, every second row in a Table control had a different height. (1249328)

Old reference to generating work queue forms in Features Guide

Since TotalAgility 7.5.0, Work queue form could not be generated automatically in the TotalAgility Form Designer. However, you could create a Work Queue form manually by adding a Work queue control to a form. The Features Guide had references that it would be possible to generate a Work queue form. (1249227)

Delete row action not working with capture tables

The Delete row action was not working at runtime for capture tables as the wrong property was used to get the selected row. (1248150)

Error calling CaseService.GetCaseJobProperties close to case completion

When CaseService.GetCaseJobProperties was called close to case completion, the following error occurred: "Object reference not set to an instance of an object." (1247780)

XOR Branching rules incorrectly displayed as executed

When branching rules were set up with exclusive OR (meaning only one branch should execute), the job details window incorrectly displayed other branches as executed. The incorrect branches show as executed when the paths meet at a common node (manual or automatic). (1246097)

Adding an action on Phone form caused blank display

Adding an action on the OnLoaded event to a Phone header form for a site caused any form to appear as blank when the "body" form was loaded. (1245624)

Issue with vertical cell on a validation form

A vertical cell on validation form was not high enough for On-Top label and above Mini-Viewer. When putting extraction fields to a vertical orientated cell in document validation form and choosing to display label and mini-viewer on-Top and above, the cell was not high enough. It cut the text box, or the label if you entered the text box with the Keyboard. This was regardless the options for padding or height. (1245593)

Form not displayed after expanding the window

On upgrading TotalAgility 7.3.0 to 7.5.0, the form was not displayed properly on resizing the internet browser window. (1243483)

Issue with Configuration Utility

On running the Configuration Utility, Agility.Server.Core.ExportWorker.Host.exe.config was not updated. (1243203)

Azure - DataLayer code not applied for all serialization models

The DataLayer code which increases the timeout for collecting metadata for protobut was not applied for all serialization models. (1242050)

The work type date field not converted to date at runtime

The Work queue control did not convert the work type date fields to client local time. (1241620)

Error when work type Work queue control imported into 7.5.0

When a work type Work queue form containing a Case health control was imported into TotalAgility 7.5.0, the control lost the JOB ID variable value and displayed the following error: "Error. Invalid case or Job ID". (1240556)

Misleading error when trying to add a dll with static .NET classes

When adding a custom dll to the .NET integration, the following error was displayed: "The specified reference path doesn't exist." This error was misleading as it was caused by the dll having static .NET classes which was not supported. (1240274)

Special character not escaping correctly on Validation document form

When the Same page action was performed on page load, the special character (ampersand) did not escape properly. For example, "one & two" appeared as "one & amp; two". (1237795)

Export/Import of skin templates lost override settings

When exporting or importing a process with skin template that had override settings, the settings were not imported into the target environment. (1236544)

Null date note stored into database

When a nullable date variable set to NULL was used, the database date field was not updated with a NULL value despite nulls being allowed. (1236485)

Pending time in work queue not showing time

The time format of the date columns of the work queue control were not always selectable. At runtime, the column value was displayed as Date format only, not including the time as expected. (1233434)

Form redirect action broken

On upgrading TotalAgility 7.3.0 to 7.5.0.6, the redirect action caused the form to hang. This form had a button which called an action to cancel a job and redirect the form back to itself. (1231830)

Issue with textChanged event for decimal and currency data type

On changing focus to a string field even if no text change took place, the textChanged event was triggered. When changing focus to a decimal or currency field, the textChanged event of the target field was executed. (1231510)

Incorrect documentation on Redirect action in TotalAgility help

The documentation for "Ignore redirect confirmation " was incorrect. It is now corrected to include:

"Select Ignore redirect confirmation if you want the redirect action to leave the page without displaying a confirmation message. In such a case, the activity is not canceled. But, for a Capture activity, the cache is not cleared. "

"If you clear this option, the activity is canceled for Ordinary and Capture activity forms, and for a Capture activity form the documents are removed from the cache. "

"For any Redirect action that comes after completing, saving or canceling an activity, "Ignore redirect confirmation" must be selected, otherwise an error occurs. The activity is only canceled on redirect if the Redirect Confirmation prompt is displayed and if you have chosen to leave the form." (1231384)

Network path not accepted in File upload control

If you tried to execute a form that had a File upload control where a network path was specified, the form execution failed with an error. (1229560)

Case job could not be terminated

When TotalAgility tried to archive a Case with a large history that also had a large number of case fragments associated with it, the following error occurred: "Message : The operation is not valid for the state of the transaction." (1228703)

Issue with nested embedded jobs or subjobs

When a subjob followed a subjob when the second subjob went to an end node, the following error occurred: "Reason of Failure cannot have more than 500 nested embedded jobs or subjobs"

The job remained in the ready for evaluation status. Furthermore, it created an evaluate worker tasks for retry if evaluation failed during complete activity. If a number of those jobs failed it could consume the job threads. The System overloaded gradually until it ran out of resources completely and hence no activities could be progressed. (1227991)

Redirect on activity cancel did not work when placed within a Tab control

When the form controls were moved from an ordinary activity form to a tab control and the Web capture control was moved to its own tab, the activity could not be canceled at runtime. First click on the Cancel button did nothing, but when clicked a second time, the following error occurred: "Activity not found." (1227682)

Issue with Work queue form with spaces in its name

On cancelling or completing a capture activity configured to redirect to a Work queue form with spaces in its name and loaded from global variable WORKQUEUE_FORM, the following error occurred at runtime: "Form doesn't exist or has not been released." (1227031)

Control actions lost after regenerating a document verification form

The custom actions mapped to fields on a document verification form were lost on regenerating the form. (1226918)

Fragment job "Actual Finish" showed "Expected Finish" value instead

When terminating a case fragment, the "Actual Finish" date/time was set to the value of "Expected Finish" instead of the actual time it was terminated. (1226449)

Suspend reason not set for main job when subjob was suspended

When a process that had the suspend reason configured was called from a main process via the Create subjob activity, and when the subjob suspended, the suspend reason was not reflected to the main process. The main process was correctly shown as suspended, but the suspend reason column in the job viewer was empty. Also, when mapping a variable for the suspend reason on the main process > Create subjob activity, the suspend reason was empty. (1226030)

"Allow empty field" option in standard field validation rule did not allow empty field

The "Allow empty field" option when selected did not allow using an empty field and a minimum length was configured. When the field was empty, on testing the following message appeared: "The field text is shorter than x characters", where 'x' is the number in the minimum field length. The same message appeared during validation in a live job, and prevented an empty field to be used. (1225149)

Document ID not passed to Business rule formatter

When using a Business rule as formatter, TotalAgility did not pass the Document ID to the business rule. (1224806)

A state change in a subjob recorded against the parent job after archiving

A state change in a subjob was recorded against the subjob ID in the JOB_STATE_HISTORY table. However, after it was archived, the state was displayed as recorded against the parent job. (1224639)

State incorrectly registered against a subjob

The case state was registered against a subjob in the case, even when it was not used in the subjob at all. (1224634)

Chinese characters not displayed in work queue

When a document field was mapped to a work queue field via an expression node at process level, and if the document field had a Chinese character, the work queue displays that value as "?". (1223151)

Case health control displayed wrong time

Without Process viewer, the Case health worked as expected. But when the Process viewer and Case health controls were on the same form, the case health time remaining was not accurate and changed by hours when the page was refreshed. (1219770)

Redirect action could not read the '\$className' property of undefined

When an activity was taken off the work queue that had a redirect action on the Onload event, the following error occurred: "In the event you require technical assistance please reference action: Redirect1. Cannot read property '\$className' of undefined." (1219099)

Post validation error when business rule logging enabled

When the business rule logging was enabled for a business rule which was used in the PostValidation map for a Choice field, extraction suspended with the following error: "The specified job does not exist." The same error occurred when extracting directly in Transformation Designer. (1216876)

Sorting of import sources in the Designer

When multiple import sources were configured, it was not possible to sort the import sources by name. (1215795)

The Job ID search missing

When trying to stop users editing queries by disabling the option in the Job list control of the FindJobs form, the job search was automatically disabled and the relevant fields were not displayed in the FindJobs form. (1214023)

Disable scroll wheel number change in numeric text fields

If a text box was configured as Decimal or Current and a user had the focus on that text box, the Mouse Scroll wheel changed the number value instead of scrolling the form up or down. (1213949)

Improper neutralization of input during web page generation ('Cross-site Scripting')

Cross-Site Scripting (XSS) are attacks in which malicious code is injected into websites. Reflected XSS are those where the injected code is sent to the server, processed and reflected on the response page, such as on an error page or a search result. The user's browser runs the code because it is contained in the body of the response page.

It was found that an attacker could change the contents of a TotalAgility HTML page, where he could publish information that could denigrate the corporate image, design forms for users to submit their data, and, depending on the lack of other controls, access cookies, session tokens, or sensitive information retained by the browser and used on that. (1213582)

Improper error handling

The technical error was raised instead of a Generic exception when the dll is not found

Improper error handling can expose sensitive information about the system such as environment variables, detailed internal error messages about the operation of the application / service or part of

application codes. If the response code is 4xx (errors on the client side) or 5xx (errors on the from the server), the user was not redirected to a custom page that was user friendly without exposing sensitive information about the system. (1213580)

Resource not found

Once logged into both the Designer and Workspace, the resource could not be found on the Resources list in the Designer or on the Manage Resources screen in the Workspace.

The resource's category ID was incorrectly set to All category. Also, the resource's category could be set to All in the Manage Resources - Modify User (AddResource.form) screen in the Workspace. (1212243)

Error occurred if RegEx contained double quotes

If the RegEx contained a double quote character, the form failed to load. The following error was reported: "Forms Server error occurred. Contact your administrator. Error Description: Error: JSMIN unterminated string literal: 10\n". (1209265)

Column showing date only even though Date Time had been set

A table column showed only the date instead of the date time on upgrading TotalAgility 7.3.0 to 7.5.0.3. The same issue also occurred when date and time was explicitly set on the column. (1209001)

Continuous retry of an automatic activity caused job history to grow exponentially

Upon upgrading to TotalAgility 7.3.2.9, continuous retry of an automatic activity caused job history to grow exponentially. (1208808)

Designer displayed messages in multiple languages

Some messages were displayed in mixed language in the TotalAgility Designer. (1206012)

Work type variables in a table were automatically enabled

The work type Boolean variables in a table were selected even though the initial value was not selected and an initialization variable that was set to false was assigned to it. (1205951)

Description for Export System task available in TotalAgility help

The Export System task was removed in TotalAgility 7.5.0 but the description was still available in TotalAgility help which is now removed. (1204538)

Main database creation failed

The main database creation with CREATE TABLE failed because the SET QUOTED_IDENTIFIER settings were incorrect. (1203791)

Could not regenerate a form when data type was changed

When the data type was changed for a field of type Choice in an extraction group, the change was not reflected in the form even after the form was regenerated. (1203449)

Data not loaded on a Table control

The data was not loaded on a Table control when multi select was enabled. (1203384)

Same page action failed when using decimal or currency

The Same page action failed when using decimal or currency; it worked with strings. (1203156)

Take activity form loaded blank page in French environment

When a new take activity form was generated in an environment with French locale, the form action "takependingactivity" is missing the mapping of HelpText et DueDate fields. This caused the form to not load at runtime and presented a blank page. (1202833)

Issue with CompleteActivityAndProgress action on Document review take activity form

In a Document review take activity form created prior to 7.6.0, if variables are mapped into the output of CompleteActivityAndProgress action, nothing is returned into the variables on completion. (1201811)

Incorrect documentation on RESTful service

The TotalAgility help for a Web service activity is updated to state that a Web Service activity does not permit to configure a call to a Restful service. (1201317)

Issue importing selected items in a package

When the Document conversion profile was imported as part of importing selected items, the conversion profile was not included in the import. (1199440)

Activity did not appear on the work queue

When using a sub job and parent map that are business processes, AWF_USUABLE_RESOURCE and ROLE_CASEWORKER were used as a floating role, and then if a Job In Case was created for the fragment, the activity in the SubJob did not appear on the work queue. (1194412)

Update row action mappings lost

When a Capture Table was moved to reside inside a Tab control on a document form, and if that Capture Table was used as the selected table in an Update row action, the mappings were lost when the form was reopened. (1194137)

Calculation rules no longer worked

On upgrading TotalAgility 7.3.0 to 7.5.0.2, the Calculation rules no longer worked. Simple addition and subtraction calculations generated an "Object doesn't support property or method 'replace'" error. (1194064)

TotalAgility Workspace login issue

On upgrading TotalAgility, after logging out of TotalAgility Workspace, the Login link was missing to re-login. (1193342)

Issue with Composite action in a form template

When a Composite action was used in a form template, the actions configured in the Composite action did not get the Postfix when template was applied. (1192499)

DB query issue using Oracle aliases with quotes

When a DB query with an Oracle view was configured with quotes around at least one of the column aliases, the data was not retrieved. (1192369)

Table rows were blank

In a Table control with multiple rows, when a row was selected from the bottom of the table and then clicked the column header, the rows became blank. When the scroll bar was used, the rows were displayed. (1191698)

NODENAME variable with trailing spaces

In a trigger map, when a decision node was set to compare the node name of the activity with the PNODENAME content, the comparison failed if the NODENAME variable had trailing spaces. (1191569)

File upload control on a Tablet form caused error

The File upload control on a Tablet form caused java script error. (1189741)

German umlaut in Document type form name caused error

When the document type form name and title included German Umlaut, for example, "Ä,Ö,Ü", the form did not load at runtime, and the following error occurred: "Failure Creating Northwest Order Forms_Validation Type Error: Object doesn't support this action." (1189575)

Fuzzy search returned wrong results

Fuzzy search did not return correct record when search was performed using ID. (1188257)

User redirected to the default work queue

When Allow query edit was not enabled and if an activity was canceled or completed from a non-default work queue, the user was redirected back to the default work queue query on the GeneralWorkQueueForm.form instead of being redirected to the work queue from where the activity was taken. (1184963)

Unable to view the inputs and outputs of the robot

When an RPA robot with a JSON return type was selected in TotalAgility, the compiler error occurred. (1184395)

Upgrade issue

On upgrading TotalAgility, if the data is large, the default transaction/connection timeout exceeded, which resulted in the error. (1182890)

Fuzzy search action configuration not saved

When a Fuzzy search action was reopened, the configuration was not saved. (1182889)

Alternative Extraction Search did not work

When the Field name and Display name were different within a field in the extraction group, the Alternative extraction search action on a form failed to retrieve the value correctly. (1182821)

Issue with redirect on mobile forms

When two mobile forms with a Radio button list control and a Redirect action on each form were redirected from one another resulted in a fatal javascript error after the 4th redirect. (1182639)

Business rule with an XML node failed

When a business rule was created with an XML node, the business rule failed with an error. (1182500)

Could not overwrite the Width property of a cell

Within a Tab control, it was not possible to overwrite the Width property of a cell to be fixed when the form was configured to use the percentage width. (1181567)

Calendar control displayed incorrect time

The Calendar control displayed incorrect time in some time zones. (1181433)

Incorrect SharePoint event was used for deleting documents

To delete a document from the SharePoint document library, TotalAgility used the ItemDeleting event instead of ItemDelete event. (1180755)

Error on upgrade or import to 7.5.0 when browsing custom work queue

On upgrading to TotalAgility 7.5.0 from 7.4.0 or earlier (or importing from 7.4.0 to 7.5.0), browsing to the custom work queue reported the following error: "There was an error reflecting type 'Agility.Sdk.Model.Activities.WorkQueue'. If you need technical assistance, reference action: GetWorkqueueAdjuster." (1179940)

Error when running stored procedure

When the Oracle database was used to utilize/run the stored procedure from within TotalAgility (DAS activity/action), a software exception error occurred instead of returning normal string outputs. (1178494)

Issue with View Parent link when viewing a subjob details

When upgrading to TotalAgility 7.5.0 from 7.3.0, the 'View Parent' link only worked for a single level when viewing a subjob details. (1177769)

KCM Databackbone with status field set was not processed

When the data backbone xml that contained a status field set field for an editable text block, the xml element of the status field set field contained the prefix "itp" and resulted in an error that the prefix was undefined. (1177226)

Package included unreleased business rule

A package included the business rule which was saved but not released. (1173530)

Mandatory setting on a dropdown list was ineffective

A Scan create new job form with a dropdown list control set as Mandatory, prevented the user of the form from creating a new job (CreateJob button) if no selection was made from the dropdown list. (1173188)

Action bar moved away on Job viewer

The action bar on the Job Viewer moved away when the process map was scrolled. (1173116)

Package export issue

A package with unreleased artefacts was exported successfully instead of generating an error that informed the user to release the relevant artefacts. (1170558)

Time out error when PurgeJobs() was called

The default .Net command timeout of 30 seconds was not sufficient to delete large amount of data which caused the time out error. (1168028)

Display rule issue when used to show/hide the control

The behavior when using a Display Rule to make an embedded page control hidden/visible, was different to using javascript to change the style.visibility property of the control. (1166236)

The behavior of tab index of forms was incorrectly documented

The TotalAgility help is now corrected to state that if the tab index of a control is set to zero, the control does get focus, but the focus is based on the browser tab order. (Bug 1165459)

Custom user rules issue in federated security

When the user claim had multiple values in the federated security, the rule parser could not match against any value in that list. (1164999)

Custom binding coreservice issue

When the Configuration Utility was used to change an environment from HTTP with Windows to HTTPS with Windows, the CustomBinding_CoreService was incorrectly modified by the utility. (1164085)

Purge job suspended with an SQL timeout

When a job was scheduled which called Purgejob() to remove all finished jobs, the old sub jobs still existed even if the parent jobs were purged. (1160685)

Incorrect last action date value

The logged on Users page in the TotalAgility Workspace displayed incorrect last action time. (1158583)

Database configuration settings issue

The Documents Database connection string used Windows authentication even though SQL authentication was specified during installation. Additionally, when the Configuration utility was used to update the setting, the value was not overwritten as expected. (1158008)

Error including saved versions (non-integer) in CASE_DEF_COMP_RUNTIME

When a case was released, the previous version was written to the CASE_DEF_COMP_RUNTIME table with matching fragment versions. Then this was used at runtime when creating a fragment using CreateJobInCase. However if the previous version of the case was saved rather than released, that got

written to the table instead of the released version (example: 2.01 instead of 2.00). Then any live cases of version 2.00 threw the following error at runtime if CreateJobInCase was used on them: "Compatible case fragment was not found." (1157716)

Stylesheet not applied correctly

The style displayed correctly when applied at the Theme level, but was not displayed correctly when a class was applied directly to a form control. (1157512)

Issue with TotalAgility installer software checks

From TotalAgility 7.4.0 onwards, on-premise multi-tenancy required that the SQL Server is set to mixed mode authentication. A check about this mixed mode was added to the Software Checks in the TotalAgility On-Premise Multi-Tenant installer. If this check failed it showed that "SQL Server Native Client is not installed" instead of "The sql server authentication is not set to mixed mode" in the GUI. This was causing confusion. (1157252)

GetActivities2() returned incorrect values

The GetActivities2() did not return the correct values based on the resource. (1156892)

DPI resolution not displayed on Canon MFPs

When the Settings button was opened on certain Canon MFP models, the DPI resolution was not displayed. The job could still be scanned and completed, but the displayed DPI resolution was incorrect. This had been detected with Canon SE models, including 3325, 3530i, and 4525i. (1156385)

Flatbed scanning not resumed if stopped on Ricoh Android MFPs

When flatbed was used as a paper source on Ricoh Android MFPs, scanning did not resume if scanning was stopped. At the Stop on Scanning window, tapping Continue leaves the indicator spinning with no progress. (1155319)

Error scanning job on Canon ScanFront MFPs

When scanning job on Canon ScanFront 400 MFPs, the following error occurred, "Parameters are not valid. Change parameters." This occurred with web application version 3.3.1803.2302. (1154501)

Issue with Radio Button control with no default settings

When a new document was selected, radio button control did not set back to designed configuration with no default option selected. (1153497)

Unable to assign a string multiple times in a process Expression node

When a process Expression node was used to update the value of a work type process variable, and if the same work type parameter was updated more than once in the same expression, the job suspended with the following error: "Database error occurred. Contact your administrator." (1152391)

The DeleteJobNote method did not take milliseconds into account

When job notes were created by an automatic process (and so multiple notes can be created within the same second), the DeleteJobNote method of the Job Service ignored the milliseconds of the job note CREATION_DATE. Consequently all notes created within the same second were deleted if a single note was selected for deletion. (1150260)

CreateJobWithDocumentAndProgress accepts the Limited User Session ID

The SDK method CreateJobWithDocumentAndProgress accepted the Limited User Session ID when it was not supposed to be available for use. (1149238)

Sharepoint custom pages integration and security

The SharePoint integration section on TotalAgility custom Web pages in TotalAgility installation guide which was outdated is now updated to provide the correct information.

API's limited user session ID support

When the following API methods with Limited User Session ID in the session ID field were called, the "Access Denied" error was displayed. (1143015)

- JobService.CreateJobSync
- JobService.CreateJobUsingProcessType

Missing information regarding MSDTC

The Installation guide and Prerequisites guide did not include detailed information about MSDTC. (1143002)

Issue logging in when 'Change Password on Next Logon' was enabled

If 'Change password at next logon' was enabled in the TotalAgility Designer; logging in to the Workspace prompted the user to change the password.

If the User session timeout intervals were updated in the Designer > System settings while you are still logged in to the Workspace and the TotalAgility Services/IIS are not restarted, then you will be asked to change your password again when you log out of the workspace, and log in again. (1140715)

Could not update an existing Job Note

You could not update an existing Job Note for a completed or terminated job. (1133988)

Form display issue

When the "Content only" setting was enabled for menu items for form navigation, the content was not displayed properly when you navigate between those items. (1120227)

Timing issue when clearing capture text fields

On a validation form, it was not possible to clear the capture text fields even if the text boxes were empty, and the SamePage action was executed after the Clear action. (1120070)

Webservice XSD file issue

In the WSDL file, the XSD file was referring to the external DocumentService.xsd using a relative location, but when the XSD file was in the same location as the WSDL file, TotalAgility did not resolve the WSDL file. (1109086)

Issue on restarting a completed job

When a job was completed or terminated, the Core Worker moved the job to archive database through a worker task. If the worker task was running and someone restarted a job at the same time, an orphan activity was left in the live tables and the job was archived. (1075013)

Error when scanning with Black and White color setting after using color

An error appeared when using the Black and White setting without image enhancements and then scanning using the Color setting. (1060046)

Navigation menu collapsed on touch enabled devices

When a device had a touch screen and a mouse was used, menus collapsed when the cursor was moved. (1057810)

Error when mapping nullable oracle table field to DAS

When nullable oracle table field was mapped to DAS, an empty field displayed the following message: "please specify values for all fields/parameters" (1057361)

Decision node validation issue

When fields from extraction group were used to check to see if fields had values using a decision node, the decision node validation validated illegal sentences. (979406)

Error when archiving a job with a large history

Archiving a job with large history resulted in the following error: "The operation is not valid for the state of the transaction." (977100)

Business rule failed

The business rule failed with an error when the rule that contained a dynamic complex variable as an output parameter was tested. (974128)

Resizing columns in Devices corrupts table formats

When the columns in tables were resized in the Devices app, the column width got compressed so that the text was not readable instead of leaving the table columns at their original width. (973609)

Issue when using SDK Objects in a Script activity

When SDK Objects were accessed in VB.NET using the Script activity, an error occurred. (963425)

Output parameter type mismatch error

The job was suspended with DAS failure when all columns in the view were expected to be of type String. (907373)

Dynamic complex variable pre-populated data stripped during import

When a pre-populated Dynamic complex variable was used in the process map, on exporting the process package and then importing it into a new environment, the pre-populated data in the variable cells was stripped out. (898437)

Database tables were not created

The TotalAgility databases were not created properly when the SQL account had special characters and spaces in the password. (868664)

Kofax Transformation Modules

Case sensitive Locator names

Information is available in the Kofax Transformation Modules Installation Guide that class names are no longer case sensitive, and you must change any class names that might have the same name but a different case before upgrading Kofax Transformation Modules. (1222383)

Japanese text search was not working

How unicode characters are handled is improved. As a result, these text searches work as expected. (1102311)

AGL exception occurred

If the AGL was executed on an invoice with many possible combinations, the following exception occurred: "The execution of a locator method failed. Class = "NewClass1", Locator = "AGL", Original error message: Unknown exception." (1099062)

Message Connector

The following issues are resolved in Message Connector.

Message Connector system limits not documented

The Message Connector system limits were not documented. (1158151)

Incorrect RootDocumentType in Kofax XML

RootDocumentType in Kofax XML example in TotalAgility help was incorrect. (1161117)

Default folder shown as invalid

The document review activity was not completed because the default folder mapped to the folder variable was shown as invalid. (1113940)

Create document from body option did not work

The document was created from an email body even if the Create document from body option was not enabled. (1143239)

Jobs not created when importing XML

When XML files were imported without documents, instead of creating the jobs, the following error occurred:

" Cannot create job because this message contains only the XML structured content and no documents. At least one document is required for creating a job." (1162484)

Dynamics CRM mappings were lost

When a process containing a Dynamics CRM node was imported on to a new machine, the TotalAgility Dynamic CRM mappings were only retained if the Dynamics CRM connection was same on both the machines. Otherwise, the mappings were lost. (1166234)

File import issue

The file import stopped working when an invalid XML file was imported. (1172963)

Issue importing MSG and EML files

When EML and MSG files referenced in Kofax XML were imported, TotalAgility extracted the EML and MSG files and then searched for the original files resulted in failed import. (1172541)

Jobs not created for emails with no document attached

When an email with no attached document was imported, the Message Connector failed to create the job, and returned an error. (1176293)

Email metadata not mapped after TotalAgility upgrade

When TotalAgility was upgraded from 7.4.1.3 to 7.4.1.7, and the Create document from body option was not enabled, the email metadata mapping to the fields stopped working. (1177854)

TIFF file conversion issue

Specific multi-page TIFF files were not converted and "Specified cast is not valid" error was displayed in the Message Connector. (1197152)

Could not configure two shared mailboxes

When the second mailbox connection was configured for the same user, the following error occurred: "The entered mailbox is already in use with the specified URL. Please enter a unique mailbox to poll". (1188934)

Wrong date format in date metadata fields

The date displayed in the date metadata fields were in US format instead of in standard ISO format. (1228053)

Skip file type does not work

The file types which were configured to be skipped from import were imported. (1255967)

Messages not imported on upgrading TotalAgility

On upgrading TotalAgility 7.3.2.1 to 7.5.0.6, the core worker stopped working when fetching messages and the following error appeared in the Message connector: "Object Reference is not set to the instance of an object." (1258933)

Chapter 5

Known issues

This chapter describes issues that you may encounter while using TotalAgility 7.6.0 and provides workaround, as applicable.

Issue with HP client when TotalAgility is specified for the path

When registering an HP client with the HP Client Registration tool, entering TotalAgility as the path causes problems with log on. The log on screen does not appear completely, and clicking a personal shortcut does nothing. (1202067)

Workaround: Enter TotalAgility (note capitalization) as the path in the HP Client Registration tool, and the HP client works correctly.

GetWindowsUser() returns app pool user in a distributed system

When GetWindowsUser() is called in a single-machine installation, it returns the logged on user correctly but when called in a distributed installation (separate web and app server), it returns the app pool user. (1155764)

Workaround: Call the API only from custom web pages. The API is not supported from Form actions (as they always run on the app server and do not have access to the calling Windows user.)

Association with document sets not exposed to process map

If you try to delete or export a process map and if any document sets are associated with it, the following error is displayed when creating a TotalAgility package: Unable to find any released version of this map. (1152375)

Workaround: Identify the missing component (Document Set in this case) and remove the reference in the process map.

HP FutureSmart 4 MFPs display empty screen after fixing paper jam

After fixing a paper jam when sending a document to a scan activity shortcut, an empty Kofax window appears. This issue occurs with HP FutureSmart 4 MFPs when you press Start to resume scanning, press Done after the scan is complete, press Cancel to cancel the job, and then press Exit or Back to dismiss the Message Center window. The empty Kofax window appears instead of the Kofax main menu. (1152074)

Workaround: After fixing the paper jam, do one of the following depending on what you do with the job:

- To cancel the job, press Cancel and then press Exit immediately to close the Message Center window.
- To continue with the job, wait for the scanning to complete and when the Complete window appears, press Done and then press Exit immediately to close the Message Center window.

If you do get the Kofax window, press Home to exit the Kofax app and return to the HP main menu.

Unable to import the German language pack

When importing the German language pack, the translation of the form, JobDetailsProperties.form does not take effect directly after the import. (1080994)

Workaround:

1. Navigate to **Translation**.
The **Translation** page appears.
2. On the **Form** list, set the **Category** to **All** and select the JobDetailsProperties.form.
3. Click **Translate**.
4. In the Translation: JobDetailsProperties dialog box, click **Save** without making any changes.

Delete button is inconsistent on Lexmark cSF image preview

The Delete button on the Lexmark cSF image preview works inconsistently, depending on how the document is scanned. When the document is scanned on the flatbed, pressing Delete deletes that image. When the document is scanned from the ADF, pressing Delete cancels the entire job. (800873)

Split login with the Scan activity does not display a valid error

On the Lexmark eSF and Emulator, split login should display an error when you take the Scan activity from an embedded process, because the document or folder is not yet been created. Instead of a descriptive error message, the application is unresponsive on the Lexmark eSF, or the user can scan, but a Web service exception appears when you click Send and Exit on the Emulator. (911996)

Workaround: Prior to selecting the Scan shortcut, select any personal shortcut and provide the correct password.