

Δquaforest

Kingfisher Release Notes



Kingfisher **Release Notes**

Version 2.5
December 2023

Content

1	UPGRADING	7
1.1	Upgrading from a previous Kingfisher version 2.5.	7
1.1.1	License Keys	7
1.2	Upgrading to Version 2.5	7
1.2.1	Requirements	7
1.2.2	Email Settings	7
1.2.3	Preserving existing Condition files when upgrading	7
1.2.4	License Keys	7
1.2.5	Upgrading	7
2	VERSION 2.5.2312.11	8
2.1	License Keys	8
2.2	Bug Fixes	8
2.2.1	KF-164 Rename based on text match does not use Text Matches Pattern to extract text when Selected Zone is All	8
3	VERSION 2.5.2311.29	8
3.1	License Keys	8
3.2	Bug Fixes	8
3.2.1	KF-171 Infinite loop on certain files	8
3.2.2	KF-169 SDK maintenance release	8
3.2.3	KF-167 Selecting DataMatrix barcode only not working.	8
3.2.4	KF-166 Selection of 2D Barcodes is not reliable.	8
3.2.5	KF-165 Using “select all text in line after” option causes unresponsive crash.	8
4	VERSION 2.5.2210.10	8
4.1	License Keys	8
4.1.1	Bug Fix KF-153 Advanced Export – Area selected barcodes not being read	8
5	VERSION 2.5.2210.03 (LIMITED RELEASE)	8
5.1	License Keys	8
5.2	Bug Fix	8
5.2.1	KF-160 Overwrite Existing File – SharePoint bug	8
5.2.2	KF-155 Fix Splash screen date	8
5.2.3	KF-148 Add licence agreement file to installer	8
6	VERSION 2.5.2207.25	8
6.1	License Keys	9
6.2	Bug Fix	9
6.2.1	SDK-188 Output file sizes after SPLIT BY RANGES are larger than input file size	9

7	VERSION 2.5.2205.10	9
7.1	License Keys	9
7.2	Improvements	9
7.2.1	KF-149 Add a 'Force OCR' option in config for files with electronic signatures / Bates numbers etc.	9
7.2.2	Latest Aquaforest OCR and PDF engine	9
8	VERSION 2.5.2204.29 (LIMITED RELEASE)	9
8.1	License Keys	9
8.2	Bugfixes	9
9	VERSION 2.5.2204.26 (LIMITED RELEASE)	9
9.1	License Keys	9
9.2	Improvements/Bugfixes	9
9.2.1	KF-151 SP upload fails 'the attempted operation is prohibited because it exceeds the list view'	9
10	VERSION 2.5.2204.05	10
10.1	License Keys	10
10.2	Improvements/Bugfixes	10
10.2.1	KF-148 Licence information display	10
10.2.2	KF-147 Add option to allow Errored jobs to be scheduled without being cleared.	10
10.2.3	KF-145 Documentation - describe the use of template files	10
10.2.4	KF-144 Document that UNC path names must be used instead of mapped drives	10
10.2.5	KF-143 Custom script "archiveinputs.wsf" does not show an error if the archive folder is on a non-valid drive.	10
10.2.6	KF-130 License keys without 'Subscription' or 'Trial' selected but with expiry date do not display expiry date	10
11	VERSION 2.5.2202.28	11
11.1	License Keys	11
11.2	Bugfixes	11
11.2.1	KF-140 Append Data to an existing XLSX file – formatting lost	11
12	VERSION 2.5.2111.29	11
12.1	License Keys	11
12.2	Bugfixes	11
12.2.1	KF-128 When a SharePoint location becomes inaccessible, the job does not return an error.	11
12.2.2	KF-127 When the last Job Condition is deleted it is still possible to click "Save" and Kingfisher crashes.	11
13	VERSION 2.5.2110.13	11
13.1	License Keys	11
13.2	Bugfixes	11
13.2.1	KF-126 Job Wizard for Export PDF content operation does not have a Next for Select Variables	11

14	VERSION 2.5.2109.29	11
14.1	License Keys	11
14.2	Improvements/Bugfixes	11
15	VERSION 2.5.2109.21	12
15.1	License Keys	12
15.2	Improvements/Bugfixes	12
15.2.1	KF-124 Barcode reader returns phantom barcode values on some diagrams	12
15.2.2	KF-123 Barcode settings available in the UI	12
15.2.3	KF-121 Common.Log file incomplete with “default” Kingfisher.Config Logpath	12
15.2.4	KF-119 Identify missing SMTP settings when saving	12
16	VERSION 2.5.2106.11	13
16.1	License Keys	13
16.2	Bug fixes/Improvement	13
16.2.1	Barcode reading on color documents	13
16.2.2	Issue with Anonymous SMTP email setup resolved.	13
16.2.2.1	Anonymous SMTP with O365/Exchange Online.	13
17	VERSION 2.5.210602	14
17.1.1	License Keys	14
17.2	Bug fixes	14
18	VERSION 2.5.2105.19	14
18.1	Upgrading to Version 2.5	14
18.1.1	Requirements	14
18.1.2	Email Settings	14
18.1.3	Preserving existing Condition files when upgrading	14
18.1.4	License Keys	14
18.1.5	Upgrading	14
18.2	New Features	15
18.2.1	Updated OCR Engine	15
18.2.2	Updated PDF Toolkit	15
18.2.3	Updated Bar Code Engine	15
18.2.4	Modern Authentication for SharePoint On-Line (Office365)	16
18.2.5	Modern Authentication for Email (Office365)	17
18.3	Minor improvements	18
18.3.1	KF-120: Choosing to not save changes to job condition should discard changes	18
18.3.2	KF-112: Extended the file naming templates available in Kingfisher	18
18.3.3	KF-109: Add a progress indicator while a job is running	18
18.3.4	KF-100: Add Office 365 Modern Authentication to Aquaforest Kingfisher	18
18.3.5	General log files path changed	18
18.4	Bug Fixes	19
18.4.1	KF-116 Handle Log File display when selected job has not previously run.	19
18.4.2	KF-115 Display Current Service Status	19
18.4.3	KF-114 Removed Language setting in Options	19
18.4.4	KF-113: Kingfisher command line does not work when Kingfisher is installed to another drive	19

18.4.5	KF-111: Error Codes not returned during command line calls	19
18.4.6	KF-110: Extract pages mislabelling documents	19
18.4.7	KF-108: PDF Rasterizer causing some PDFs not to display properly	19
18.4.8	KF-107: Barcode zonal detector does not work if zone extends off page	19
18.4.9	KF-106: Kingfisher crashes when job is changed from one type to another (tested with rename to split)	19
18.4.10	KF-105: Kingfisher SP/O365 Paths are case sensitive	19
18.4.11	KF-101: Advanced Extract to Excel: Set overwrite existing to true when append to file is selected.	19
19	VERSION 2.1.190627	20
19.1	New Features	20
19.1.1	Updated OCR Engine	20
19.2	Bug Fixes	20
19.2.1	KF-91 Text in line after value was returning all the text in the zone	20
19.2.2	KF-90 Code Encryption was causing some operations to fail	20
20	VERSION 2.1.190607	21
20.1	New Features	21
20.1.1	KF-85 Retain Bookmarks in split PDF files	21
20.2	Bug Fixes	21
20.2.1	KF-87 Kingfisher not considering new line (\r\n) as a word delimiter	21
20.2.2	KF-86 Kingfisher not executing custom script until there is an output file	21
20.2.3	KF-79 Parsing Floats in a different culture	21
20.2.4	KF-77 WCF opening too many session instances	21
20.2.5	KF-74 Incorrect Custom Script argument "OldFilePath"	21
20.2.6	KF-72 When using "Text in Zone" Kingfisher sets all the text to lower case	21
20.2.7	KF-71 When a Value is empty, Kingfisher places it with the next value	21
21	VERSION 2.1.190412	22
21.1	Upgrading from earlier versions	22
21.1.1	Requirements	22
21.1.2	Preserving Existing Job Definitions when Upgrading	22
21.1.3	License Keys	22
21.2	New Features	23
21.2.1	SharePoint Integration	23
21.2.2	Filter Locations by Regular Expression	23
21.2.3	Excluded Locations	23
21.2.4	Skip-Row Header	23
21.2.5	Extract Metadata to CSV	24
21.3	Improvements	25
21.3.1	Data Matrix Barcodes	25
21.3.2	Warning Message is displayed if you try to open Kingfisher when it's already running	25
21.4	Bug Fixes	25
21.4.1	Rename Step: Regular Expressions not being applied properly	25
21.4.2	PDF to CSV/XLS – Table id numbering starting from zero	25
21.4.3	PDF to CSV/XLS – Scrolling through the grouped tables crashes the GUI	25
21.4.4	PDF to CSV/XLS: Remove the option to exclude tables/groups from the "Document View Tab" as it doesn't work	26
21.4.5	Export to PDF to CSV/XLS: Empty message when no tables are found	26
21.4.6	Special characters in text expressions where not getting escaped.	26
21.4.7	Kingfisher does not cope with rotated pages and multiple zones	26
21.4.8	Split and Extract pages not labeling the output files accurately	26

21.4.9	When processing UNC Path's on a Single File, we are incorrectly generating the output path	27
21.4.10	Split by Page Range & Repeating Page Ranges Step not showing some user controls	27
21.4.11	When using Split by Text Match, Split by Text Change & Extract Pages based on Text Match the OCR stops at page 10	27
21.4.12	Barcode values that have been matched are not used to determine the split condition	27

1 Upgrading

1.1 Upgrading from a previous Kingfisher version 2.5.

Copy Kingfisher.Config (in <installation location>\bin) and the Job Condition files.

Uninstall the existing version of Kingfisher and then install the new version.

1.1.1 License Keys

Version 2.5 keys work with all versions of Kingfisher 2.5.

1.2 Upgrading to Version 2.5

See the [Version 2.5.2105.19](#) section for details of the changes from 2.1 to 2.5.

1.2.1 Requirements

Kingfisher now requires Microsoft .NET Framework 4.7.2 to be installed. This will be checked during the installation of Kingfisher.

Under some circumstances it may be required to manually install the .NET Framework 4.7.2.

1.2.2 Email Settings

SMTP passwords will need to be re-entered. See section 2.3.2 of the Reference Guide.

1.2.3 Preserving existing Condition files when upgrading

Condition files are upgraded automatically when the User Interface is started for the first time.

However, if you do not have a current backup of your conditions file, it is recommended to back up the Condition files before installing the new version of Kingfisher.

The condition files are located in the folder [installation folder]\Conditions.

1.2.4 License Keys

Version 2.5 of Kingfisher requires a new license key.

This is a free upgrade for holders of a current Support and Maintenance Contract (included in the first year of a perpetual license) and holders of a current Subscription License.

Please contact support@aquaforest.com for additional information.

1.2.5 Upgrading

Kingfisher can be upgraded by uninstalling the existing version of Kingfisher and then installing the new version.

2 Version 2.5.2312.11

2.1 License Keys

Uses existing version 2.5 license keys.

2.2 Bug Fixes

2.2.1 KF-164 Rename based on text match does not use Text Matches Pattern to extract text when Selected Zone is All

Fixed

3 Version 2.5.2311.29 (Limited release)

3.1 License Keys

Uses existing version 2.5 license keys.

3.2 Bug Fixes

3.2.1 KF-171 Infinite loop on certain files

Fixed

3.2.2 KF-169 SDK maintenance release

Rolls in SDK updates.

3.2.3 KF-167 Selecting DataMatrix barcode only not working.

Fixed.

3.2.4 KF-166 Selection of 2D Barcodes is not reliable.

Fixed.

3.2.5 KF-165 Using “select all text in line after” option causes unresponsive crash.

For certain files selecting this option caused the Kingfisher UI to become unresponsive when the extracted text was viewed.

This has been fixed.

4 Version 2.5.2210.10

4.1 License Keys

Uses existing version 2.5 license keys.

4.1.1 Bug Fix KF-153 Advanced Export – Area selected barcodes not being read

If a barcode was selected by area, the value was not being written to the output XLSX or CSV file. This has been fixed

5 Version 2.5.2210.03 (Limited release)

5.1 License Keys

Uses existing version 2.5 license keys.

5.2 Bug Fix

5.2.1 KF-160 Overwrite Existing File – SharePoint bug

Kingfisher was not throwing an error for SharePoint destinations when trying to overwrite an existing file when this option was set to Off. This is fixed.

NOTE: This bug fix may cause existing job conditions to fail if the Overwrite Existing switch is off.

5.2.2 KF-155 Fix Splash screen date

5.2.3 KF-148 Add licence agreement file to installer

6 Version 2.5.2207.25

6.1 License Keys

Uses existing version 2.5 license keys.

6.2 Bug Fix

6.2.1 SDK-188 Output file sizes after SPLIT BY RANGES are larger than input file size

Some PDF source files were found that when using split by ranges generated output files that were larger than expected.

This has been fixed.

7 Version 2.5.2205.10

7.1 License Keys

Uses existing version 2.5 license keys.

7.2 Improvements

7.2.1 KF-149 Add a 'Force OCR' option in config for files with electronic signatures / Bates numbers etc.

Image only PDF pages with applied Bates numbering or which have received electronic signatures may have a character count above the value in the application configuration field SearchableThreshold. This will mean that the page is identified as "Searchable" and will not be OCRd.

This improvement adds a forceocr field in the job condition files which will cause the page to be always OCRd.

```
<forceocr>True</forceocr>
```

This field (with a default value of False) is added automatically when a job is saved by version 2.5.2205.06 or later of Kingfisher. Set this value to True to force OCR of all PDF pages processed by this job.

Make a copy of the job condition file before editing and only edit them while the Kingfisher UI is closed. Contact support for more information.

7.2.2 Latest Aquaforest OCR and PDF engine

This release includes the latest version of the Aquaforest OCR and PDF engines.

8 Version 2.5.2204.29 (Limited release)

8.1 License Keys

Uses existing version 2.5 license keys.

8.2 Bugfixes

OCR issue in 2.5.220426 fixed.

9 Version 2.5.2204.26 (Limited release)

9.1 License Keys

Uses existing version 2.5 license keys.

9.2 Improvements/Bugfixes

9.2.1 KF-151 SP upload fails 'the attempted operation is prohibited because it exceeds the list view'

Updated SharePoint connection object. Fixed

10 Version 2.5.2204.05

10.1 License Keys

Uses existing version 2.5 license keys.

From 31 March 2022 Kingfisher is only available as a subscription product.

Existing permanent Kingfisher 2.5 licenses will remain valid (and function as permanent licences).

Additional Support and Maintenance Cover (SMC) for existing permanent licenses will continue to be available for version 2.5.

10.2 Improvements/Bugfixes

10.2.1 KF-148 Licence information display

Kingfisher license information is included in the installation.

10.2.2 KF-147 Add option to allow Errored jobs to be scheduled without being cleared.

By design Kingfisher will not run a scheduled task if the previous run generates an error. Two new fields have been added to the kingfisher.config file that allow controls over this behaviour for jobs scheduled either Once Per Day or Continuous.

```
<add key="ScheduleOncePerDayContinueAfterError" value="false" />
```

```
<add key="ScheduleContinuousContinueAfterError" value="false" />
```

10.2.3 KF-145 Documentation - describe the use of template files

While creating new job conditions, it is tempting to use a file in the Source location. This might be moved subsequently which causes a message to be displayed when the job condition is viewed.

The use of a template folder is described in the reference guide.

10.2.4 KF-144 Document that UNC path names must be used instead of mapped drives

All file paths used in job conditions must use either local drive names or UNC paths.

This is now documented,

10.2.5 KF-143 Custom script "archiveinputs.wsf" does not show an error if the archive folder is on a non-valid drive.

The revised custom script raises the following Exit Codes:

0 - Success

1 - Destination folder not found

2 - Error in process

3 - Source file not found

The previous custom script is still included in the zip file.

10.2.6 KF-130 License keys without 'Subscription' or 'Trial' selected but with expiry date do not display expiry date

Under certain circumstances license keys may be generated that are not tagged as Subscription or Trial. They now display the expiry date.

11 Version 2.5.2202.28

11.1 License Keys

Uses existing version 2.5 license keys.

11.2 Bugfixes

11.2.1 KF-140 Append Data to an existing XLSX file – formatting lost

Subsequent data appended to an existing XLSX file was not formatted correctly

This has been fixed

12 Version 2.5.2111.29

12.1 License Keys

Uses existing version 2.5 license keys.

12.2 Bugfixes

12.2.1 KF-128 When a SharePoint location becomes inaccessible, the job does not return an error.

If an authenticated SharePoint location becomes inaccessible, possibly due to a certificate expiring, it did not return an error exit code. Error information was added to the log.

This has been fixed.

12.2.2 KF-127 When the last Job Condition is deleted it is still possible to click "Save" and Kingfisher crashes.

This has been fixed.

13 Version 2.5.2110.13

13.1 License Keys

Uses existing version 2.5 license keys.

13.2 Bugfixes

13.2.1 KF-126 Job Wizard for Export PDF content operation does not have a Next for Select Variables

Fixed bug in the job wizard which displayed a blank Select Variables tab and did not allow progression by clicking on Next. Export PDF content as text does not use the Select Variables tab.

14 Version 2.5.2109.29

14.1 License Keys

Uses existing version 2.5 license keys.

14.2 Improvements/Bugfixes

Bugfix to barcode settings relating to bits per pixel setting.

15 Version 2.5.2109.21

15.1 License Keys

Uses existing version 2.5 license keys.

15.2 Improvements/Bugfixes

15.2.1 KF-124 Barcode reader returns phantom barcode values on some diagrams

Some documents containing diagrams with lots of parallel lines could be read as Code 128 Short barcodes.

Short Code 128 has been added as a selectable/unselectable barcode type so it can be unselected if required

15.2.2 KF-123 Barcode settings available in the UI

The two settings mentioned in release 2.5.2106.11 are now available in the Kingfisher UI.

[Job Definition](#) [Location Settings](#) [Select Variables](#) [Scheduler](#) [Alerts](#) [File Naming](#) [Advanced Settings](#) [Running Job](#)
[Security](#) [Properties](#) [PDF Metadata](#) [OCR Settings](#) [Barcode Settings](#) [Other Settings](#)

Barcode renderer DPI	Barcode color depth
300	8 BPP

Option	Description
Barcode renderer DPI	Set the DPI used by the barcode engine to read the barcode. With certain images, results can be improved by increasing the DPI above the nominal image DPI.
Barcode color depth	Set the color depth (bits per pixel) used by the barcode engine to read the barcode. Though barcodes are traditionally in black and white, color images may include barcodes where the lines or background are in shades or are crossed by colored lines. Changing the color depth can improve results.

15.2.3 KF-121 Common.Log file incomplete with “default” Kingfisher.Config Logpath

The default Kingfisher.Config LogPath setting used a relative path, this could lead to log file information being mislaid if the “current folder” value changed during processing. This was a potential issue when the application was installed on drives other than C:.

This has been fixed.

15.2.4 KF-119 Identify missing SMTP settings when saving

List missing SMTP settings in error message.

16 Version 2.5.2106.11

16.1 License Keys

Uses existing version 2.5 license keys.

16.2 Bug fixes/Improvement

16.2.1 Barcode reading on color documents

The default settings for reading bar codes work for most cases. Color documents and certain other documents occasionally require the job condition file to be manually edited.

The following are suggested settings suitable for color documents with very fine bar codes

```
<barcodedpi>400</barcodedpi>
```

```
<pdftoimagebpp>8</pdftoimagebpp>
```

Make a copy of the job condition file before editing and only edit them while the Kingfisher UI is closed. Contact support for more information.

16.2.2 Issue with Anonymous SMTP email setup resolved.

SMTP tab now has option for Anonymous access.

Dashboard Job Settings Options Help & Support

Service Status : Running

License Email Theme Advanced

Change Email Settings

☒ On

SMTP OAuth2

SMTP Server

SMTP Port

Set for Basic SMTP

☒ On

User Name

Password



Save Settings



Test Email



Discard Changes

Set the Basic SMTP to off for Anonymous SMTP.

16.2.2.1 Anonymous SMTP with O365/Exchange Online.

If using Exchange On-Line the email sender and recipients must be on the same domain.

For O365/ Exchange Online see: <https://docs.microsoft.com/en-us/exchange/mail-flow-best-practices/how-to-set-up-a-multifunction-device-or-application-to-send-email-using-microsoft-365-or-office-365>

17 Version 2.5.210602

17.1.1 License Keys

Uses existing version 2.5 license keys.

17.2 Bug fixes

This version fixes a bug in the Split by Barcode and remove Barcode Page.

18 Version 2.5.2105.19

18.1 Upgrading to Version 2.5

18.1.1 Requirements

Kingfisher now requires Microsoft .NET Framework 4.7.2 to be installed. This will be checked during the installation of Kingfisher.

Under some circumstances it may be required to manually install the .NET Framework 4.7.2.

18.1.2 Email Settings

SMTP passwords will need to be re-entered. See section 2.3.2 of the Reference Guide.

18.1.3 Preserving existing Condition files when upgrading

Condition files are upgraded automatically when the User Interface is started for the first time.

However, if you do not have a current backup of your conditions file, it is recommended to back up the Condition files before installing the new version of Kingfisher.

The condition files are located in the folder [installation folder]\Conditions.

18.1.4 License Keys

Version 2.5 of Kingfisher requires a new license key.

This is a free upgrade for holders of a current Support and Maintenance Contract (included in the first year of a perpetual license and holders of a current Subscription License).

Please contact support@aquaforest.com for additional information.

18.1.5 Upgrading

Kingfisher can be upgraded by uninstalling the existing version of Kingfisher and then installing the new version.

18.2 New Features

Kingfisher 2.5 uses the new Aquaforest SDK 3.

18.2.1 Updated OCR Engine

The new Aquaforest SDK 3 Standard OCR engine improves performance and accuracy.

See the SDK release notes for more information.

18.2.2 Updated PDF Toolkit

The Aquaforest SDK 3 PDF Toolkit includes a number of minor improvements.

The SDK release notes contains more information.

18.2.3 Updated Bar Code Engine

The Barcode Engine now has improved barcode recognition. Additional default settings are available in the Kingfisher.config file located in [installation folder]\bin.

Settings	Description
"BarcodeDPI"	PDF to Image conversion DPI setting
"PdfToImageBpp"	PDF to Image Bits per Pixel

Job Conditionfiles contain the values used for that specific job.

The following bar code types are no longer supported:

MAXICODE

AZTEC

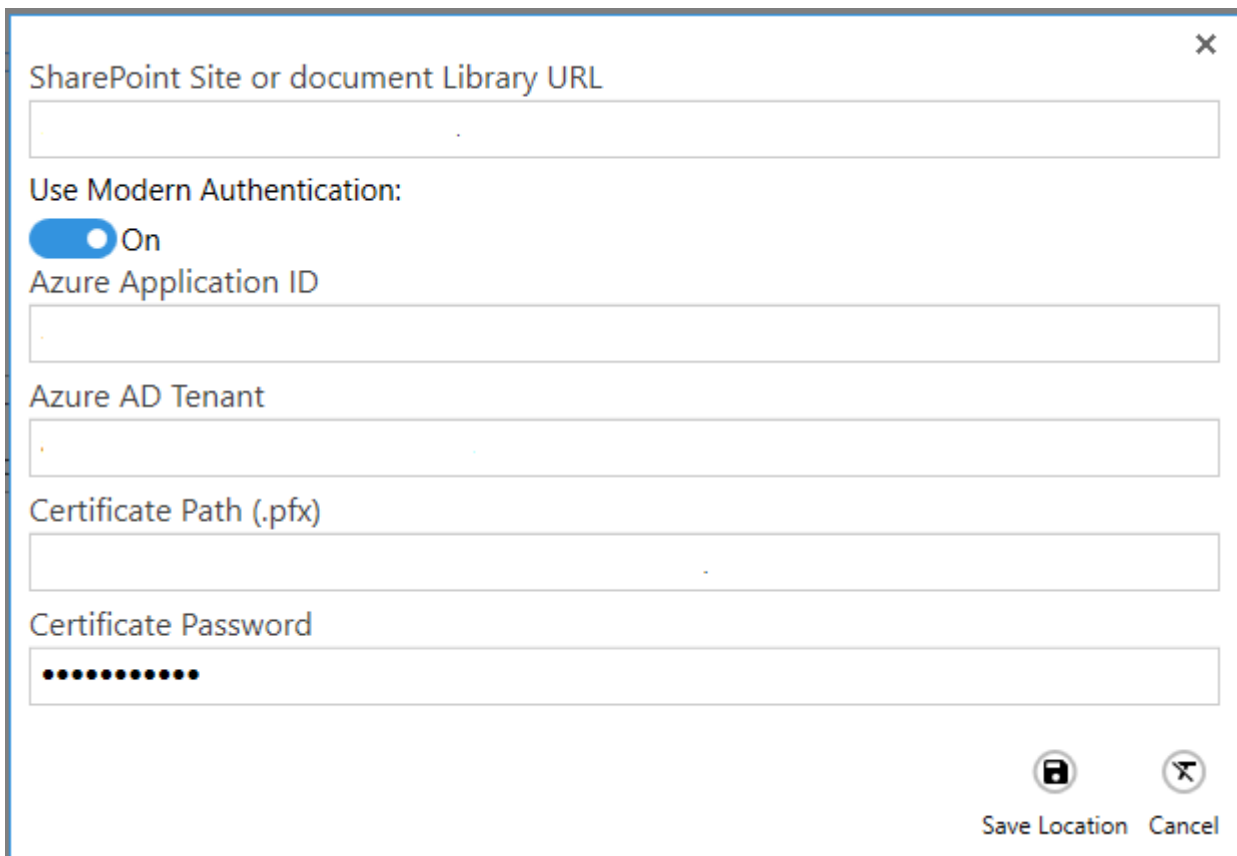
MSI

Plessey

See the reference guide for more information.

18.2.4 Modern Authentication for SharePoint On-Line (Office365)

The Modern (or OAuth2) Authentication provides a more secure method to access resources such as SharePoint/Office365 and email. This release of Kingfisher has an option to use OAuth2 authentication.



The screenshot shows a configuration dialog box for Modern Authentication. It includes a close button (X) in the top right corner. The first field is 'SharePoint Site or document Library URL'. Below it is a section 'Use Modern Authentication:' with a toggle switch set to 'On'. This is followed by three input fields: 'Azure Application ID', 'Azure AD Tenant', and 'Certificate Path (.pfx)'. The 'Certificate Password' field is shown with masked characters (dots). At the bottom right, there are two buttons: 'Save Location' (with a save icon) and 'Cancel' (with a close icon).

See <https://go.microsoft.com/fwlink/?linkid=2083908> or the Kingfisher Reference Guide for details on setting up Modern (OAuth2) Authentication and its usage.

18.2.5 Modern Authentication for Email (Office365)

Modern (or OAuth2) Authentication is provided as an option for email.

License Email Theme Advanced

Change SMTP Settings

☐ Off

SMTP OAuth2

OAuth2 Client

Azure ▼

Azure Client ID

OAuth2 Credential Type

ClientSecretOrPrivateKey ▼

Azure Tenant ID

Certificate file path

Azure AD Instance URL

Certificate Password

Azure Client Secret



Save Settings



Test Email



Discard Changes

Modern (OAuth2) Authentication for email can use either Client Secret or a Certificate.

See <https://go.microsoft.com/fwlink/?linkid=2083908> or the Kingfisher Reference Guide for details on setting up Modern (OAuth2) Authentication and its usage.

18.3 Minor improvements

18.3.1 KF-120: Choosing to not save changes to job condition should discard changes

Previous versions of Kingfisher did not discard changes when 'no' was selected in response to a Save Unsaved Changes dialogue. Selecting 'no' now discards changes and reloads the job condition from file.

18.3.2 KF-112: Extended the file naming templates available in Kingfisher

Additional file naming templates are available.

These include zero padded versions of %INDEX% (%INDEX2%, %INDEX3%, %INDEX4%, %INDEX5%, %INDEX6%) plus %YEAR% and %MONTH%.

See the Reference Guide section 2.2.6.1 for more details.

18.3.3 KF-109: Add a progress indicator while a job is running

Some job types did not display progress information, which made it difficult to determine if jobs (especially split jobs) involving large files were processing. Progress information is now written to the log.

18.3.4 KF-100: Add Office 365 Modern Authentication to Aquaforest Kingfisher

See 1.2.4

18.3.5 General log files path changed

General log files are now generated by default in the folder:

[Installation location]\logfiles\GeneralLogs

See section 8 (Kingfisher.Config) field LogPath for details

18.4 Bug Fixes

18.4.1 KF-116 Handle Log File display when selected job has not previously run.

A previous log file of another job was being displayed when either the selected job has not previously been run or the previous log files for that job have been deleted. This has been corrected.

18.4.2 KF-115 Display Current Service Status

If the Kingfisher Server is stopped via Services or another program, or suffers an internal fatal error, this is not reflected on the Kingfisher UI.

This caused the display of misleading error messages when the UI is used to start a job.

The Kingfisher Service Status is now updated as part of the UI update.

18.4.3 KF-114 Removed Language setting in Options

Kingfisher is available in US English only.

18.4.4 KF-113: Kingfisher command line does not work when Kingfisher is installed to another drive

When Kingfisher was installed on the non-default drive, command line calls fail to complete. This has been tested with this version and this issue has been resolved.

18.4.5 KF-111: Error Codes not returned during command line calls

Some error codes were not being returned to the command line. This has been fixed.

18.4.6 KF-110: Extract pages mislabelling documents

Under certain conditions pages extracted from large documents were not being named correctly. This has been fixed.

18.4.7 KF-108: PDF Rasterizer causing some PDFs not to display properly

This has been fixed.

18.4.8 KF-107: Barcode zonal detector does not work if zone extends off page

If a zone extends off the page, the barcode was not read. This was only an issue where the document contains both landscape and portrait pages.

A zone that extended the whole length of the portrait page would hang off the bottom of a landscape page, resulting in the zone being void.

The zone used on the page is now cropped to that page size.

18.4.9 KF-106: Kingfisher crashes when job is changed from one type to another (tested with rename to split)

The Kingfisher UI would crash if a job was changed from rename to split. This has been fixed.

18.4.10 KF-105: Kingfisher SP/O365 Paths are case sensitive

SharePoint and Office365 paths supplied as source or target location with different case to the actual path failed to upload. This has been fixed.

18.4.11 KF-101: Advanced Extract to Excel: Set overwrite existing to true when append to file is selected.

The overwrite file flag is now internally set true when append to file is selected (the overwrite file toggle switch is disabled). Append to file requires the overwrite permission.

19 Version 2.1.190627

19.1 New Features

19.1.1 Updated OCR Engine

We have added our new OCR SDK to Kingfisher, this contains bug fixes and improvements.

19.2 Bug Fixes

19.2.1 **KF-91** Text in line after value was returning all the text in the zone

This bug has been fixed.

19.2.2 **KF-90** Code Encryption was causing some operations to fail

In some environments the following operations failed due to the code hiding algorithm in use:

- Using the **Next** button when creating new jobs in the wizard.
- Barcodes were not getting picked up in some environments.
- SharePoint Uploads and Downloads

This has been corrected.

20 Version 2.1.190607

20.1 New Features

20.1.1 **KF-85** Retain Bookmarks in split PDF files

Kingfisher now has the ability to retain bookmarks in the output of split PDF files

20.2 Bug Fixes

20.2.1 **KF-87** Kingfisher not considering new line (\r\n) as a word delimiter

When recognizing words in a PDF file, Kingfisher used a space to know it has arrived at the end of the word, but if the word appears at the end of the it will have new line characters (\r\n) instead of a space. Previous version did not take this into account.

20.2.2 **KF-86** Kingfisher not executing custom script until there is an output file

In the previous versions of kingfisher, we were not running the custom script if the job did not produce an output file, we have now changed it to run the script every time the job is executed.

20.2.3 **KF-79** Parsing Floats in a different culture

Kingfisher uses float numbers to define the coordinate or zones. When we parse these floats in some cultures the full stops are treated as commas, as a result 45.20 will become 4520. Due to this issue the user will get empty or random text values extracted. We are now using integers to represent zones in Kingfisher.

20.2.4 **KF-77** WCF opening too many session instances

The Kingfisher service was creating too many WCF instances and this was causing the service to hang. This has been fixed.

20.2.5 **KF-74** Incorrect Custom Script argument "OldFilePath"

The temp file location was being passed to the script instead of the original file path as the **OldFilePath** argument in Kingfisher.

20.2.6 **KF-72** When using "Text in Zone" Kingfisher sets all the text to lower case

20.2.7 **KF-71** When a Value is empty, Kingfisher places it with the next value

When using a **Split, Rename or Extract** Pages step, Kingfisher allows you to use 4 values to rename the output file. If there was not text extracted for one of the values, kingfisher will replace it with the next value: i.e. if **%VALUE2%** is empty, the value of **%VALUE3%** will go where if **%VALUE2%** was supposed to be and **%VALUE3%** will be replaced by an empty string.

21 Version 2.1.190412

21.1 Upgrading from earlier versions

21.1.1 Requirements

This release requires both version 3.5 and version 4.6 of the .NET framework. The setup will check whether they are installed on your system and if not, will take you to the appropriate Microsoft site to download and install.

21.1.2 Preserving Existing Job Definitions when Upgrading

Existing job definition and status files from earlier versions are not compatible with Version 2.1. Kingfisher will Upgrade these files when the GUI is opened for the first time.

The job definition files are in the “conditions” and “status” folders in the product installation folder. If the new release is installed in a different location (which by default was installed under “C:\Aquaforest\kingfisher\” these folders may be copied to the new location.

21.1.3 License Keys

This version has the same license key as version 2.0.

If you have any questions about upgrading to version 2.1 please contact Aquaforest support:

support@aquaforest.com

21.2 New Features

21.2.1 SharePoint Integration

We have added the ability to use SharePoint and Office 365 document libraries as source and destination locations for kingfisher. As a result, we have added a new tab to the kingfisher Job settings as shown below. See section 2.2.2 of the reference guide for more details.

Job Definition **Location Settings** Select Variables Scheduler Alerts File Naming Advanced Settings Running Job

Select your Input and Output locations below

Source

Location Type

File System

☐ Single File

☒ Folder

☐ Tree

Source

J:\QA Folder\Kingfisher QA\Input\Advanced csv

Destination

Location Type

Same as Source

Apply Input Filters

* Filter Locations by Regular Expression

Excluded Locations:

Metadata Settings

Retain PDF Metadata

☐ Off

Retain SharePoint Metadata

☐ Off

Log File

C:\Aquaforest\Kingfisher\logfiles\Job 10000\%TIMESTAMP%.txt

21.2.2 Filter Locations by Regular Expression

You can now specify patterns that input file must match before they can be processed in Kingfisher. See section 2.2.2 of the reference guide for more details.

21.2.3 Excluded Locations

You can now specify paths that will be skipped by Kingfisher. See section 2.2.2 of the reference guide for more details.

21.2.4 Skip-Row Header

We have added the option for the “Advanced Extract to Excel” step to skip the header row if you wish to output many files to the same XLS/CSV.

Advanced Export to CSV/XLSX ▼

Output File

.csv ▼

Append Data to Existing File

True ▼

Skip Header Row

☒ On

21.2.5 Extract Metadata to CSV

We have added the ability to extract Metadata from PDF Files as part of the “Advanced Export to CSV/XLSX”.



Column Settings

Column Header

Column 1

Selected Zone

18.47:142.06:83:80



Capture

☐ Barcode ☐ Text ☒ Metadata


Select Metadata

▼


date
pdf:PDFVersion
pdf:docinfo:title
xmp:CreatorTool
access_permission:modify_annotations
access_permission:can_print_degraded
dc:creator
dcterms:created
Last-Modified
dcterms:modified

Where

Copy Across Rows


Help

Please Enter Metadata.


Run

21.3 Improvements

21.3.1 Data Matrix Barcodes

The former versions of Kingfisher struggled with recognizing Data Matrix bar codes, this has been improved in this version.

21.3.2 Warning Message is displayed if you try to open Kingfisher when it's already running

Ref: KF-50

21.4 Bug Fixes

21.4.1 Rename Step: Regular Expressions not being applied properly

Ref: KF-70

21.4.2 PDF to CSV/XLS – Table id numbering starting from zero

Ref: KF-69

Tables are automatically numbered from 0 to n, but the product asserts that the minimum table id should be 1, as a result, you get a validation error when you try to exclude a table with id zero.

In this version, the table id will start from 1.

21.4.3 PDF to CSV-XLS – Scrolling through the grouped tables crashes the GUI

Ref: KF-68

Scrolling through the grouped table list using the controls highlighted below causes the GUI to crash.

This has been fixed in this version.

Document View Table View

Tables Grouped Tables



Group ID : 1

Group ID : 2

GROUPING CRITERIA

EXCLUSION CRITERIA

Group Tables

21.4.4 PDF to CSV/XLS: Remove the option to exclude tables/groups from the "Document View Tab" as it doesn't work

Ref: KF-67

21.4.5 Export to PDF to CSV/XLS: Empty message when no tables are found

Ref: KF-64

Some conditions exist where kingfisher was not returning a message when it failed to detect any tables.

21.4.6 Special characters in text expressions where not getting escaped.

Ref: KF-60

If a special character (. Or ") exist in an expression, it might produce an unpredictable output because kingfisher was not escaping the special characters.

21.4.7 Kingfisher does not cope with rotated pages and multiple zones

Re: KF-58

21.4.8 Split and Extract pages not labeling the output files accurately

Ref: KF-55

This is caused by inaccurately ordering the split files before renaming it. In Kingfisher we perform the whole split in one operation, as a result, we:

- Split the files into integer named files e.g. 1,2,3,4,5,6,7,8,9,10,11,12,13,14.
- We rely on the ordering of the file to correctly match the extracted text to its file counterpart.
- When the temp is on a network location, the algorithm used picked up the file in the following order 1,10,11,12,13,14,2,3,4 instead of 1,2,3,4,5.

21.4.9 When processing UNC Path's on a Single File, we are incorrectly generating the output path

Ref: KF-35

21.4.10 Split by Page Range & Repeating Page Ranges Step not showing some user controls

Ref: KF-48

21.4.11 When using Split by Text Match, Split by Text Change & Extract Pages based on Text Match the OCR stops at page 10

Ref: KF-48

21.4.12 Barcode values that have been matched are not used to determine the split condition

Ref: KF-44

This is a bug, we are returning the barcode picked up from the page instead of the refined and matched barcode. As a result, we use the original barcode picked up to decide whether to split the page or not.