

# ABBYY FineReader Server 14 Release 4 Release Notes

## Contents

ABBYY FineReader Server 14 Release 4 Release Notes .....	1
Introduction .....	1
About this document.....	1
About the current release .....	1
Installing the new version .....	1
1. Release 4 .....	2
1.1. Key improvements.....	2
1.2. Ability to remove metadata from output files.....	2
1.3. Export to JSON .....	4
1.4. Ability to search content using regular expressions in audit workflows .....	5
1.5. Login/password for timestamp server in workflow settings .....	6
1.6. Ability to remove online licenses .....	6
1.7. Ability to switch licenses automatically .....	6
1.8. Improved productivity .....	7
1.9. Added NN-based OCR for European languages .....	7
1.10. Key bug fixes .....	7
2. Release 4 Patch 1 .....	7
3. Release 4 Patch 2 .....	8

## Introduction

### About this document

This document describes the improvements that have been implemented in ABBYY FineReader Server 14 Release 4.

### About the current release

ABBYY FineReader Server 14 Release 4 includes several improvements and bug fixes.

### Installing the new version

ABBYY FineReader Server 14 Release 4 can be installed on a computer that has ABBYY Recognition Server 4 or earlier installed.

The configuration settings from your previous version of ABBYY Recognition Server can be imported into ABBYY FineReader Server 14. For further information, please see “Upgrading from previous versions” in the *System Administrator’s Guide*.

ABBYY FineReader Server 14 Release 1 cannot be updated automatically to ABBYY FineReader Server 14 Release 4.

However, ABBYY FineReader Server 14 Release 1 Update 1 and later can be automatically updated to ABBYY FineReader Server 14 Release 4.

## 1. Release 4

### 1.1. Key improvements

ABBYY FineReader Server 14 Release 4, part **#1340/32**, build # 14.0.4.005, OCR Technologies build # 16.3.404.3, release date 31.08.2023

- Ability to remove metadata from output files
- Export to JSON
- Ability to search content using regular expressions in audit workflows
- Login/password for timestamp server in workflow settings
- Ability to remove online licenses
- Ability to switch licenses automatically
- Improved productivity compared to ABBYY FineReader Server 14 Release 2
- Added neural-network-based OCR for European languages

### 1.2. Ability to remove metadata from output files

FineReader Server 14 Release 3 now allows users to delete metadata from output files. This is useful when users need to delete the personal data of their employees before publishing documents outside their organization or archiving documents.

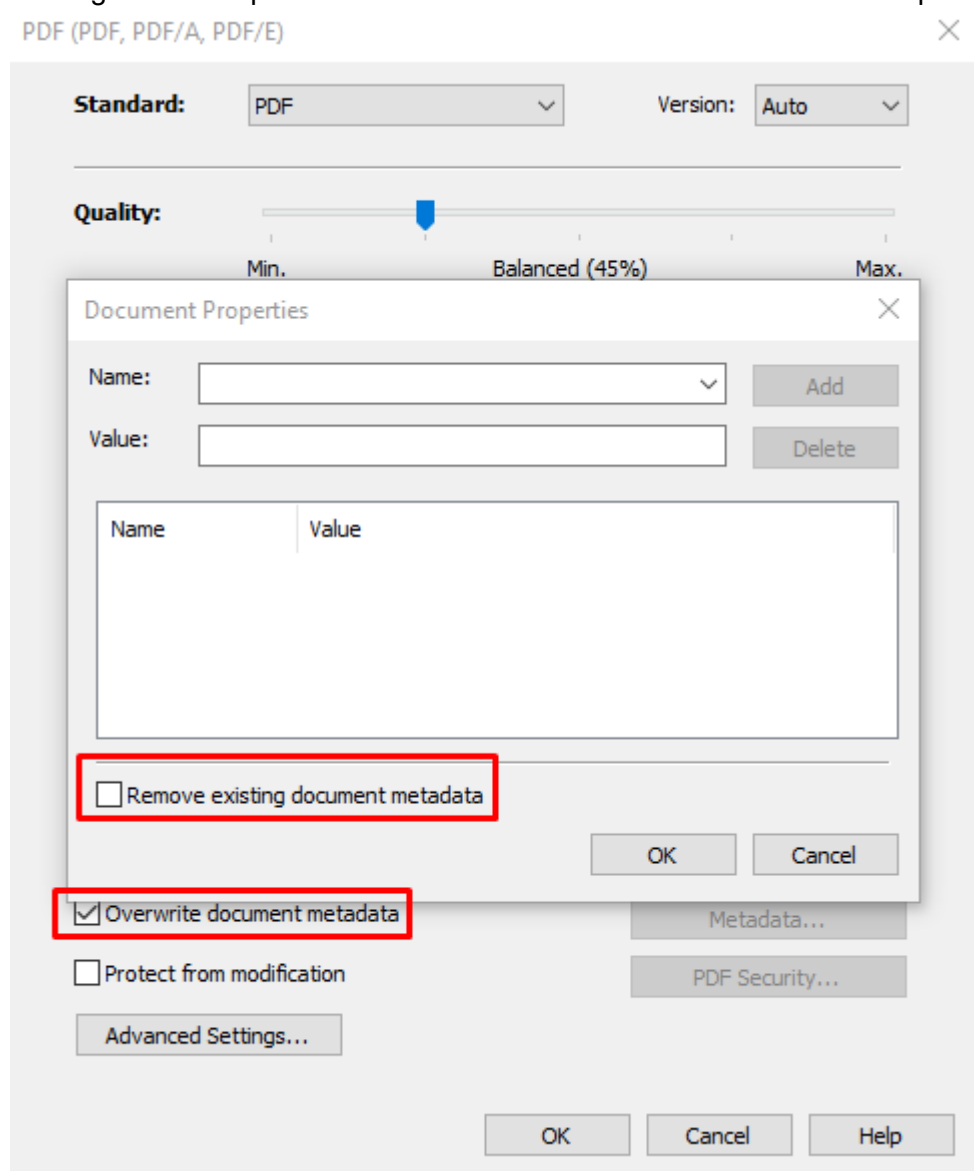
Metadata will only be removed from output files in the following office formats: PDF, DOC(X), XLS(X), and PPT(X). Metadata containing author names and document names will be deleted.

No metadata will be removed from output files in any other formats.

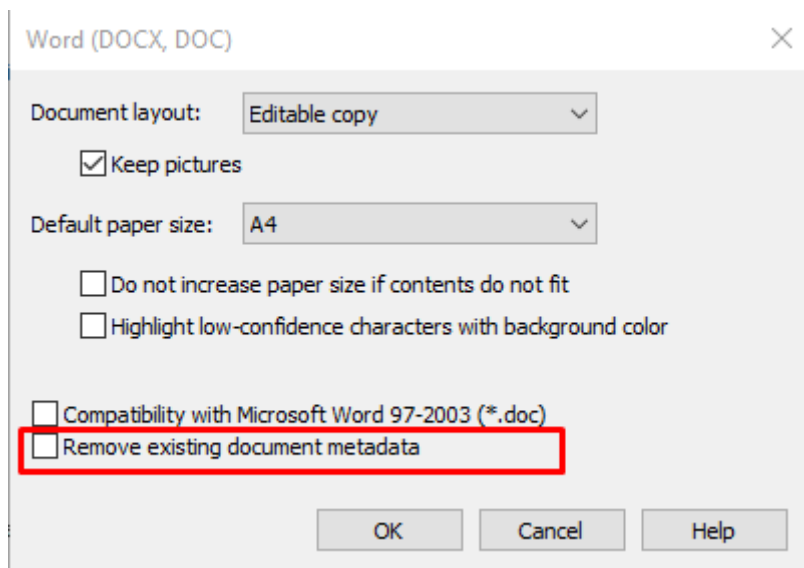
When Word, Excel or PowerPoint documents are converted to Word, Excel or PowerPoint, or when documents are saved into any of the above formats, metadata will only be removed if Microsoft Office is specified as the conversion application in the workflow.

To remove metadata from output documents, users will need to select the corresponding option in the output settings dialog box of the corresponding format:

- For PDF, the **Remove existing document metadata** option can be found in the dialog box that opens when the **Overwrite document metadata** option is selected:



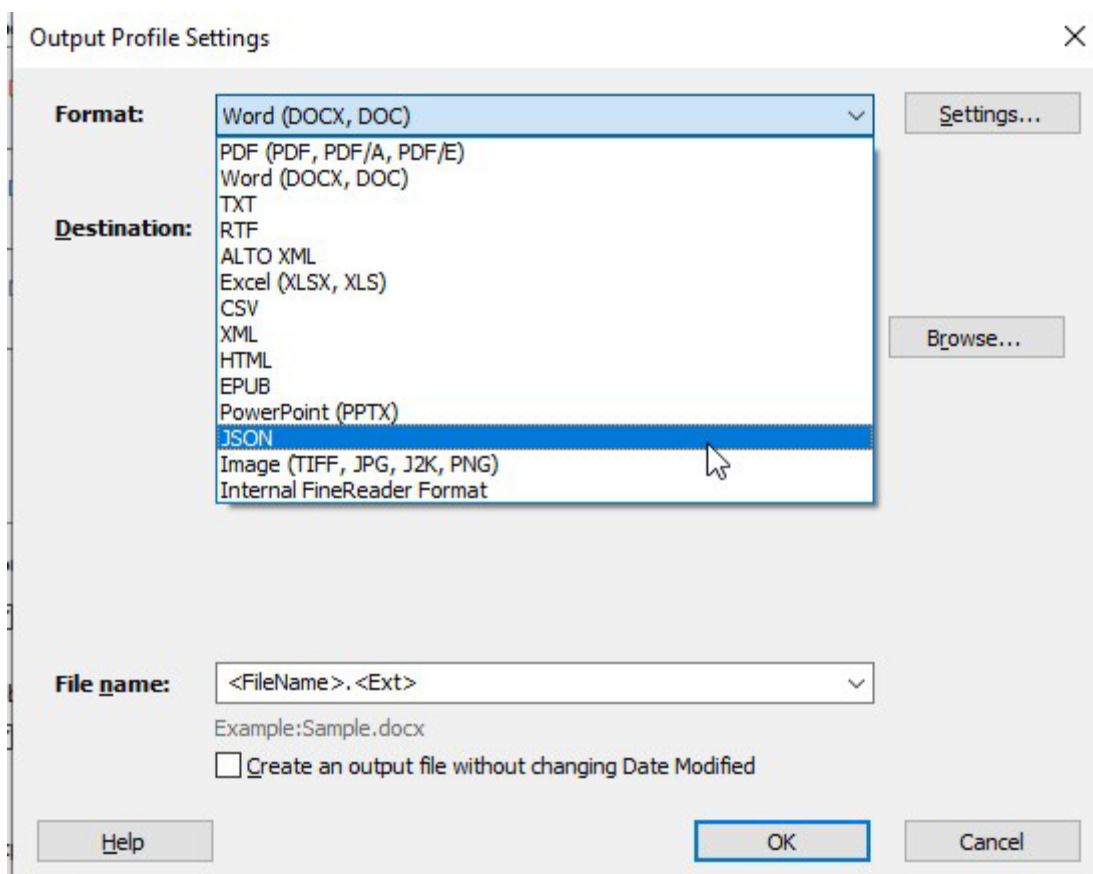
- For Word, Excel, and PowerPoint, the **Remove existing document metadata** option can be found in the output settings dialog box of the respective format. The screenshot below shows the Microsoft Word output settings dialog box:



### 1.3. Export to JSON

In ABBYY FineReader Server 14 Release 3, JSON has been added as an output format. Output JSON files will contain information about the recognized text and its formatting.

JSON can be selected in the **Output Profile Settings** dialog box:



## 1.4. Ability to search content using regular expressions in audit workflows

In archiving and storage optimization scenarios, users can now use regular expressions in audit workflows to find documents in selected document stores. The program will search for text strings in all the documents in any of the supported formats, including image formats.

This feature will help users get a clearer picture of what's inside their document libraries before they start processing their documents.

For demonstration purposes, a number of sample regular expressions have been provided.

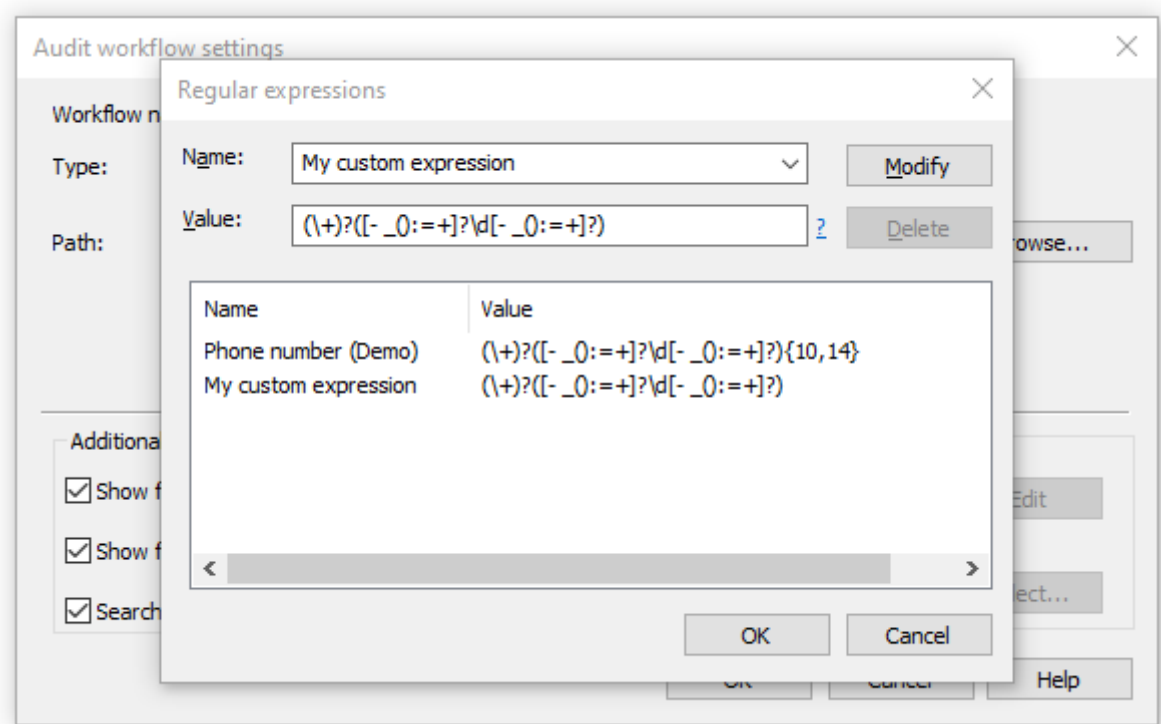
To use regular expression search, the user will need to enter one or more regular expressions, specify the languages of the documents to be searched, and specify the document store containing the documents.

The audit workflow will create a report listing the documents that contain text strings matching the regular expression(s).

To search for documents containing text matching a regular expression, the user must select the **Search for text patterns** option when creating or editing their audit workflow:

The screenshot shows the 'Audit workflow settings' dialog box. It has a title bar with a close button. The main area contains several fields: 'Workflow name' with the value 'Workflow', 'Type' set to 'Shared Folder', and 'Path' set to 'C:\Users\osudeykina\Desktop\for audit workflow' with a 'Browse...' button. Below these are two sections: 'Additional reports' and 'Regular expression search'. The 'Additional reports' section has three checked options: 'Show files larger than' (100 MB), 'Show files older than' (18.06.2020), and 'Search for duplicate files'. The 'Regular expression search' section has a checkbox labeled 'Search for text patterns' which is highlighted with a red rectangle, and an 'Edit' button next to it. Below this is a 'Document languages' section with 'English' selected and a 'Select...' button. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

In the **Regular expressions** dialog box, the user must enter their desired regular expression(s):



Once the regular expressions have been specified, the user will be taken to the previous dialog box, where they will need to select the language(s) of the documents to be searched.

## 1.5. Login/password for timestamp server in workflow settings

Users can now specify the address, login, and password required to access the timestamp server used for their digital signatures.

This is done by adding two tags for the login and password after the address of the timestamp server in the XML file containing the workflow settings:

```
<TimestampServer>timestamp.digicert.com</TimestampServer>
<TimestampServerLogin>Login</TimestampServerLogin>
<TimestampServerPassword>Password</TimestampServerPassword>
```

## 1.6. Ability to remove online licenses

In scenarios where all online license data must be removed, a /CloudLogout command is now available in LicenseManagerConsole.exe.

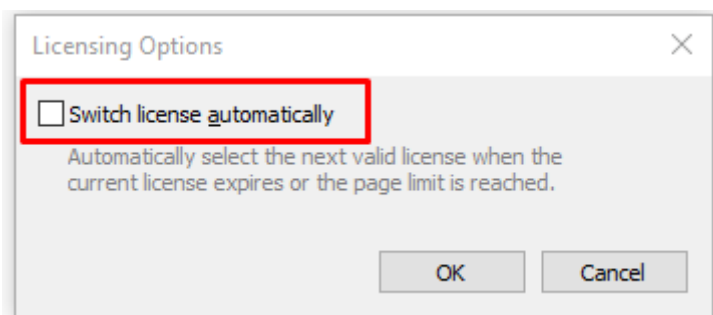
This is typically required when transferring licenses between computers without waiting for CloudTicketExpiration or CloudTicketUpdate. The user now can:

- Save the online token for the current licenses
- Execute /CloudLogout on the source computer
- Import the token to the target computer

## 1.7. Ability to switch licenses automatically

Now if a user has several valid licenses (e.g., one license that expires at the end of the year and one license that allows processing a certain number of pages), the user can set up ABBYY FineReader Server to switch to the next valid license when the current license expires.

To automatically select the next valid license, the user needs to right-click the **Licensing** node in the console, select the **Licensing Options** item on the shortcut menu, and then select the **Switch license automatically** option.



## 1.8. Improved productivity

As ABBYY document processing technologies evolve, internal tests have shown ABBYY FineReader Server 14 Release 3 to be 3-8% more productive (depending on the settings) than ABBYY FineReader Server 14 Release 2 and 15-40% more productive than ABBYY FineReader Server 14 Release 1.

All the tests were carried out using ABBYY's collections of sample documents. Results obtained on other document collections may be different.

## 1.9. Added NN-based OCR for European languages

Starting from ABBYY FineReader Server 14 Release 3, neural networks are used to recognize documents in European languages.

## 1.10. Key bug fixes

Issue description
Error processing files: Cannot open the image file. The file may be corrupted. – <b>Fixed</b>
The following error occurs when opening the console after changing the Chief Administrator password: ABBYY FineReader Server 14 reported an error: Failed to retrieve login status collection. Authentication failed: invalid login name or password. – <b>Fixed</b>
A client reported a vulnerability in OpenOffice. The ABBYY OpenOffice version has been updated. – <b>Fixed</b>

## 2. Release 4 Patch 1

ABBYY FineReader Server 14 Release 4 Patch 1, part #1340/33, build # 14.0.4.668, OCR Technologies build # 16.3.404.5, release date 21.11.2023

- Fixing the error "Time.cpp, 232" and "Service does not start with error 20050323"
- Fixing authorization errors in Oauth using Chilkat

### 3. Release 4 Patch 2

ABBYY FineReader Server 14 Release 4 Patch 2, part #1340/34, build # 14.0.4.672, OCR Technologies build # 16.3.404.5, release date 29.11.2023

- Processing of incorrect photometric interpretation