

# ABBYY FlexiCapture 12 Release 4 Update 2 Release Notes

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# Introduction

## About this document

This document describes the features that have been implemented in ABBYY FlexiCapture 12 Release 4 and updates.

## About the product

ABBYY FlexiCapture 12 is the latest version of ABBYY FlexiCapture, a highly scalable and flexible data capture platform for creating region-specific and vertical data capture solutions.

## Installing ABBYY FlexiCapture 12

ABBYY FlexiCapture 12 may be installed on the same computer where ABBYY FlexiCapture 10 or 11 is already installed. Please refer to the ABBYY FlexiCapture 12 [System Administrator's Guide](#) for installation instructions.

## Upgrading from earlier versions

ABBYY FlexiCapture 12 may be installed on the same computer where ABBYY FlexiCapture 10 or 11 is already installed, but you cannot use the setup wizard to upgrade your copy of ABBYY FlexiCapture 10 or 11 to ABBYY FlexiCapture 12.

ABBYY FlexiCapture 12 Release 4 may be used as an upgrade if you have ABBYY FlexiCapture 12 Release 1, 2 and 3 (with any updates) installed on your computer. The earlier release will be removed and Release 4 will be installed instead.

You can use ABBYY FlexiCapture and ABBYY FlexiLayout Studio projects as well as FlexiLayouts created in earlier versions of the program. If you have documents already loaded into the system, we recommend that you first complete the processing of these documents and only then migrate to ABBYY FlexiCapture 12. When you open an ABBYY FlexiCapture or ABBYY FlexiLayout Studio project created in an earlier version of the program, it will be converted to the ABBYY FlexiCapture 12 format. Once a project is converted to the new format, it can no longer be opened in an earlier version.

A detailed description of the upgrade procedure can be found in the [System Administrator's Guide](#).

## OCR technologies

ABBYY FlexiCapture 12 Release 4 uses a new version of OCR Technologies (v. 16), delivering a better overall quality of OCR compared to FlexiCapture 12 Release 3 and earlier versions.

## Licensing

For ABBYY FlexiCapture 12 Release 4, you need a serial number generated specifically for ABBYY FlexiCapture 12. Serial numbers generated for ABBYY FlexiCapture 12 Release 1, 2, and 3 (with any update) can also be used for Release 4.

Serial numbers for previous versions of ABBYY FlexiCapture cannot be used for ABBYY FlexiCapture 12.

## UI languages

ABBYY FlexiCapture 12 Release 4 interface is available in the following languages: English, Russian, German, French, Spanish, Korean, Japanese, Czech, Serbian (Latin), Portuguese (Brazil), Polish, Chinese Simplified, Hungarian, and Italian.

### Notes:

- The web stations are available in all of the above listed languages except Serbian. The web stations are also available in Chinese Traditional.
- FlexiLayout Studio is only available in English, German, and Japanese.
- FormDesigner is only available in English and Russian.
- FCAdminTools is only available in English.

## Technical information

Release	Part #	Build #	Installer Build #	OCRT build #	Release date
Release 4 Update 2	1299/62	12.0.4.803	692169	16.2.651.6	09.09.2022

## NEW FEATURES

### 1. Improvements in reporting services

#### 1.1. Added API to download reports from Administration and Monitoring Console

ABBYY FlexiCapture includes monitoring features to provide you with information about the state and performance of the system and its components. You can get reports on site performance, processing performance, operator workloads, and license consumption. In earlier versions, reports could only be viewed and downloaded in the Administration and Monitoring Console. In ABBYY FlexiCapture 12 Release 4 Update 2, an API has been added for downloading reports automatically, enabling the use reports in other systems without human involvement.

API methods are available for downloading the following types of reports:

- Site performance
- License consumption by tenants
- License consumption by projects
- Processing performance
- General operators

The parameters of the API methods are identical to those used for creating reports via the Administration and Monitoring Console GUI. The resulting CSV file is also identical to the CSV file created using the Administration and Monitoring Console GUI. For more information about the new API methods, please see [Using Web API for downloading reports](#).

#### 1.2. Reporting for Business Monitoring: ability to store data in zipped CSV format

Starting from ABBYY FlexiCapture 12 Release 4 Update 2, Business Process Reporting data is saved in zipped CSV.

#### 1.3. Reporting Service: ability to connect to another database using EventLogApiCreateDb.exe

To change the database used by the Reporting Service, you need to modify the **appsettings.json** file. Starting from ABBYY FlexiCapture 12 Release 4 Update 2, you can modify this file using the EventLogApiCreateDb.exe utility and the /ConnectEventlogDb.ps1 script. You can replace the database with another database that is already populated with data or with an empty one. In the latter case, the EventLogApiCreateDb.exe utility will initialize the empty database first. For detailed instructions on changing the database, see [Changing the database used by the ABBYY FlexiCapture 12 Reporting Service](#).

#### 1.4. Saving registration parameters for "Unknown" documents in Reporting Service statistics

The program may fail to match some documents with their appropriate Document Definition. Such documents are assigned the "Unknown" status. In earlier versions, the registration parameters of "Unknown" documents were not recorded in the Reporting on Quality service database. However, users may want to see the registration parameters of "Unknown" documents in their reports. Starting from ABBYY FlexiCapture 12 Release 4 Update 2, the registration parameters of "Unknown" documents will be recorded and shown in Reporting on Quality service reports, just like they are shown for documents that have been successfully matched with their Document Definitions.

### 2. ABBYY FlexiCapture for Enterprises

#### 2.1. Single Sign-On with MFA on desktop stations

Single Sign-On (SSO) allows users to use a single identifier to access all the resources that they are allowed to access, so that users don't have to authenticate each time they access a new company resource. Multi-Factor Authentication (MFA) is an authentication method that uses additional checks to verify a user's identity before granting them access to an account or application. SSO and MFA are not mutually exclusive. Used in combination, the two technologies provide greater security without complicating user experience. They also make it easier to monitor network activity.

Starting from ABBYY FlexiCapture 12 Release 4 Update 2, you can use Single Sign-On authentication combined with c MFA for the following desktop stations:

- Project Setup Station
- Verification Station
- Remote Verification Station
- Data Verification Station
- Remote Data Verification Station

To connect to the Application Server using SSO with MFA:

1. Open a station and select **Open Project from Server...** from the menu.
2. In the dialog box that opens, specify the path to the Application Server in DNS format.
3. Click **Connection Settings...**
4. In the dialog box that opens, select **Use Single Sign-on (SSO) authentication** for the authentication method. In the **Provider** list, select an external identity provider (IDP) and click **OK**.
5. In the **Open Existing Project from Application Server** dialog box, click **OK**.
6. In the **Authentication** dialog box, specify your user account and complete the authentication procedure.

Once authenticated, you will be able to select a project on the Application Server.

## 2.2. OAuth authorization for SharePoint Online

ABBYY FlexiCapture allows you to export documents to SharePoint Online. In earlier versions, when exporting to SharePoint, users always had to enter their SharePoint credentials. Starting from ABBYY FlexiCapture 12 Release 4 Update 2, you can use OAuth authorization via Microsoft services instead of explicitly entering your SharePoint login name and password. This functionality is based on Token Management Service (TMS, see 4.4 for more details), a service that stores and automatically updates tokens. The new IIS service is called “FlexiCapture 12 Token Management” and is installed together with ABBYY FlexiCapture.

**Important!** In local projects SharePoint Online OAuth tokens expire in 2 hours, but in projects located on a server tokens are automatically refreshed via TMS.

To enable OAuth authorization for SharePoint Online:

1. Select a Document Definition and open the Document Definition Editor.
2. Click **Document Definition -> Export Settings...**
3. In the dialog box that opens, click **Add...** to add a new export profile.
4. In the Export Destination Wizard, select **Export to SharePoint**, specify the necessary settings, and click **Next**.
5. In the **Connection to SharePoint** dialog box, click **Connect**.
6. In the dialog box that opens, in the **Server** field, specify the address of the SharePoint server in URL format and click **Connection Settings...**
7. In the **Authentication type** list, select **SharePoint Online Oauth** and click **Use OAuth Login**.
8. In the OAuth 2.0 Authorization Wizard, click the link and log in to your Microsoft account. Accept all the permissions that are required for the operation of the program. Then go back to the OAuth 2.0 Authorization Wizard and click **Finish**.
9. In the **SharePoint Connection Settings** dialog box, click **OK**. In the **SharePoint** dialog box, click **Connect**.
10. Specify additional settings in the **SharePoint** dialog box:
  - SharePoint library
  - Folder in document library
  - Content type
11. Follow the Export Destination Wizard to complete the configuration of the export profile.

For more information about configuring export to SharePoint, see [Exporting documents to a SharePoint library](#).

## 2.3. Security Event Log: Specify which user's permissions were added or removed

The Security Event Log contains events related to adding, removing or changing users’ permissions. This log is used for security audits.

When changing the permissions of users or user groups, you want to be sure that users are only granted permissions they are entitled to, or that they actually don’t need the permissions you are going to remove. Starting from ABBYY FlexiCapture 12 Release

4 Update 2, detailed information is provided for each security event. Now you will see additional information about the specific role given to or taken away from a user. This will help you prevent unauthorized access to data.

## 2.4. Monitoring memory consumption by tasks

Sometimes, non-optimal project settings may cause tasks to consume too much memory, resulting in slower processing or even in some tasks failing with a “Not Enough Memory” error. Starting from ABBYY FlexiCapture 12 Release 4 Update 2, you can monitor and troubleshoot excessive memory consumption, e.g. by optimizing your project settings. Memory logging for tasks is disabled by default. To enable it, specify a memory limit in the `\HKEY_LOCAL_MACHINE\SOFTWARE\ABBYY\FlexiCapture\12.0\FlexiBr\ExecutorsManagerWatchedTaskMemoryLimitMb` registry key on the machines with the Processing Stations installed. Now if a task requires more memory than the specified threshold value, a corresponding warning message will be entered in the Event Log. To disable memory logging, set the value of the registry key to 0.

## 2.5. Ability to load FlexiLayouts using FCAdminTools.

Document Definitions may use FlexiLayouts that need to be periodically updated. When you update a FlexiLayout in one Document Definition, you may want to update it in all the other Document Definitions where it is used. In ABBYY FlexiCapture 12 Release 4 Update 2, a new command, **LoadFlexiLayout**, has been added to the FCAdminTools utility. You can use this command to load a new FlexiLayout into a Document Definition, replacing the old one. Either the main FlexiLayout or an additional FlexiLayout can be replaced. For more information, see [this Help article](#).

## 2.6. More detailed logging in FCAdminTools for upgraded projects

Upgrading a project involves multiple steps — updating project properties, batch types, Document Definitions, working batches, training batches, etc. In earlier versions, if FCAdminTools reported an error while upgrading a project, it was not very easy to determine the step where the error occurred. Starting from ABBYY FlexiCapture 12 Release 4 Update 2, the FCAdminTools utility will keep a detailed log for the UpgradeProject command, so that you can easily trace errors preventing a successful upgrade.

# 3. ABBYY FlexiCapture web applications

## 3.1. Internet Explorer 11 no longer supported

Starting from ABBYY FlexiCapture 12 Release 4 Update 2, [Internet Explorer 11 is no longer supported](#). Please use other recommended browsers.

## 3.2. Ability to specify an IP whitelist in the Administration and Monitoring Console

To secure your tenant, you can restrict access to certain IP addresses. The new IP Whitelist feature in the ABBYY FlexiCapture 12 authentication module can block access from IP addresses that are not in the specified range. In earlier versions, users had to specify white-listed IP addresses directly in the **dbo.Tenant** table in the ABBYY FlexiCapture database. Starting from ABBYY FlexiCapture 12 Release 4 Update 2, you can specify white-listed IP addresses in the Administration and Monitoring Console.

**Important!** You can use the Administration and Monitoring Console to specify white-listed IP address only within tenants. You will not be able to white-list IP addresses in the main environment. You must have the role of ABBYY FlexiCapture administrator or tenant administrator to be able to white-list IP addresses.

To add IP addresses to the whitelist:

1. Launch the Administration and Monitoring Console under the required tenant.
2. Go to **Settings -> IP Whitelist**.
3. Select **Enable IP whitelisting**.
4. In the **Allowed IP address blocks** field, specify the allowed IP addresses or range of addresses in CIDR format.
5. Click **Save**.

For more information about IP white-listing, see [Restricting access to a tenant using an IP Whitelist](#).

### 3.3. Configuring Single Sign-On authentication in the Administration and Monitoring Console

Single Sign-On (SSO) allows users to use a single identifier to access all the resources that they are allowed to access, so that users don't have to authenticate each time they access a new company resource. In earlier versions, a special PowerShell script had to be used to configure Single Sign-On. Starting from ABBYY FlexiCapture 12 Release 4 Update 2, Single Sign-On can be configured in the Administration and Monitoring Console.

**Important!** Only the ABBYY FlexiCapture administrator can add and configure Single Sign-On on the default tenant. On other tenants, Single Sign-On can be configured by ABBYY FlexiCapture or tenant administrators.

To configure SSO authentication:

1. Launch the Administration and Monitoring Console.
2. Go to **Settings -> Single Sign-On**.
3. Click **Add Configuration**.
4. In the dialog box that opens, specify the required parameters:
  - **Name** - the name of the external identity provider that will be contacted when the user clicks the **Log in with...** button.
  - **Reference** - the URL that will be used to access the server of the external identity provider.
  - **Upload Image File** - the path to the image that will be used for the new button (images in \*.svg, \*.jpg, and \*.png formats are supported).
  - **Upload Certificate File** - the path to the public certificate.
5. Click **OK**. The new configuration will be added to the list. If required, you can change it by clicking **Edit**.  
**Note:** You can specify multiple identity providers.
6. Select the **Assign groups by SSO** option if you want to assign ABBYY FlexiCapture groups based on identity provider groups.

For detailed instructions on using SSO in ABBYY FlexiCapture, see the [Single Sign-On authentication](#) section in the System Administrator's Guide.

### 3.4. SSO-only authentication mode

In high-security environments, access to all of the corporate resources must be controlled from a central location in order to avoid human errors when granting access permissions. For this purpose, SSO-only authentication mode has been added in ABBYY FlexiCapture 12 Release 4 Update 2.

**Important!** SSO-only authentication can only be enabled for non-default tenants.

To enable SSO-only authentication:

1. Launch the Administration and Monitoring Console.
2. Go to **Settings -> Single Sign-On**.
3. Select **SSO-only authentication mode** option.

As a result, only those users will be able to access the system who have been authenticated through an external identity provider. Creating and importing users in the Administration and Monitoring Console will be automatically disabled.

For detailed instructions on using SSO in ABBYY FlexiCapture, see the [Single Sign-On authentication](#) section in the System Administrator's Guide.

### 3.5. Assigning groups by SSO

ABBYY FlexiCapture supports Single Sign-On (SSO) authentication. Starting from ABBYY FlexiCapture Release 4 Update 2, you can also assign groups using SSO. This means that now you can create groups in ABBYY FlexiCapture based on the groups in IDP. You can both add users to certain groups and update groups after they are changed in IDP.

**Important!** Only the tenant administrator can assign groups. For the default tenant, only the ABBYY FlexiCapture administrator can change this setting.



To assign groups via SSO:

1. Launch the Administration and Monitoring Console.
2. Go to **Settings** -> **Single Sign-On**.
3. Select the **SSO-only authentication mode** option.

After enabling this option, when creating a new group, specify the GUID of the corresponding IDP group in the **External ID** field. As a result, users from the IDP group with the specified External ID will be added to the ABBYY FlexiCapture group.

## 4. General improvements

### 4.1. New handwritten text recognition technology

Earlier versions of ABBYY FlexiCapture could only recognize printed and hand-printed text. With the addition of this new technology, the program can now also recognize handwritten text.

### 4.2. New recognition mode added: Accurate

FlexiCapture 12 Release 4 Update 2 includes a new recognition mode named "Accurate." This mode is intended for extracting data from barely readable digital images or from poor-quality documents. This primarily applies to text printed on pictorial or textured backgrounds and to documents protected with holographic security elements (e.g. ID cards or licenses). The new Accurate mode is also useful for poor-quality digital images which are too dark or too bright, are not sharp enough, have perspective distortions, or contain very small or barely readable text (e.g. receipts, invoices or contracts).

You can specify a recognition mode when creating a Document Definition in the **Document Definition Wizard**. later, you can change the recognition mode on the **Recognition** tab of the **Document Definition Properties** dialog box. For details, see [Document Definition Properties](#).

**Important!** Recognizing documents in Accurate mode will take longer than other modes. Be sure to use this mode only for documents that will actually benefit from this mode.

### 4.3. Changes to recognition modes

- We have assessed the performance and our ability to improve the various OCR modes and have determined that the "**Balanced**" recognition mode will be frozen from a development perspective. Starting from FlexiCapture 12 Release 4 Update 2, no attempts will be made to improve the quality or speed of recognition in this mode.
- "**Thorough**" recognition mode has been renamed to "**Normal**" so that it is not confused with the new "Accurate" mode.
- All new FlexiLayout Studio and FlexiCapture 12 projects will have "**Normal**" recognition mode selected by default.

### 4.4. Token Management Service

Starting from FlexiCapture 12 Release 4 Update 2, a new service is available, called "Token Management Service." It allows keeping and automatically refreshing OAuth2 tokens within FlexiCapture 12, specifically for export to SharePoint Online, or for import from The Microsoft Graph API and IMAP (OAuth 2 for IMAP import from Microsoft Exchange will be introduced in FlexiCapture 12 Release 4 Update 2 Patch 1). This service is installed automatically as part of the Application Service and runs as IIS Service.

**Important!** When upgrading from previous versions of FlexiCapture 12, for TMS to work properly you need to re-connect to the existing database (see [Connecting to an existing database](#)). When connecting to a new database, IIS pools should be recycled as well.

**Important!** TMS works only for projects located on the ABBYY FlexiCapture 12 Server. Authentication tokens in local projects cannot be refreshed automatically with TMS.

**Note:** If you were using OAuth2 for Microsoft Graph import prior to Release 4 Update 2, you will need to re-authenticate for TMS to catch the authentication token and refresh it automatically in the future.

## 4.5. Sorting through all the pages in batch and task view

On the Project Setup Station, Verification Station, and Web Verification Station, batches and tasks are now sorted using all the pages in the batch and task view.

## Upcoming End of Support for Basic Authentication for Microsoft Exchange Online

Effective October 1, 2022, Microsoft will disable Basic authentication for Outlook, EWS, RPS, POP, IMAP, and EAS protocols in Exchange Online. If you are using Basic authentication in your FlexiCapture 12 "Image Import Profiles" setup with the mentioned protocols, it may fail with errors on or after October 1, 2022. To avoid this, we advise switching your current "Image Import Profile" from IMAP to MS Graph as described in this ABBYY article: [Importing images using Microsoft Graph Mail API](#).

### For FlexiCapture on-prem installations

ABBY FlexiCapture 12 Release 4 Update 2 Patch 1 will introduce support for OAuth2 for IMAP import, which will allow you to switch back to the IMAP protocol.

### For FlexiCapture Cloud

An update to ABBYY FlexiCapture 12 Release 4 Update 2 will introduce support for OAuth2 for IMAP import, which will allow you to switch back to the IMAP protocol. ABBYY will notify you when this update becomes available.

## Known issues

1. "The batch is deleted" message pop-up is displayed when trying to attach a file to a batch with batch filter applied.
2. Changing user's full name has a delay up to 15 minutes in Administration and Monitoring Console.
3. When installing Reporting Service, folders are created for all features, even those that were not installed. Folders for such features will be empty.
4. The "...LicenseInfoWrapper.cpp, 124" internal program error occurred when opening Administration and Monitoring Console in a specific scenario.
5. Incorrectly displayed batch numbering (column "#") when sorting through pages on Project Setup Station or Verification Station.
6. Administration and Monitoring Console. Sorting by the "Default" batch type in the Event Log shuffles "Default" batch type entries with entries with an empty batch type.
7. Administration and Monitoring Console. Error when trying to import AD group with description longer than 255 characters when using Oracle or PostgreSQL databases.
8. Web Capture Station. "ERR\_DBMNGR\_SESSION\_HAS\_INVALID\_USER\_NAME" error when a user session expires if the station is opened in Firefox.
9. Reporting Service. Import from HotFolder is being displayed as "0" stage in dbo.DocumentProcessing table
10. Token Management Service. When connecting to a new database, OAuth2 tokens are not refreshed automatically. Recycle IIS pools.
11. Token Management Service. Error "ORA-12504: TNS:listener was not given the SERVICE\_NAME in CONNECT\_DATA:" when connecting to Oracle database with specific configuration.  
Add "TNS\_ADMIN" environmental variable to the catalog where tnsnames.ora is located.

## Bug fixes

Request	Summary
505034	An "Internal program error: E:\TfsBuildAgent\_work\1\s\Build\FineObjects\Inc\PtrOwnerFO.h, 196." occurred while processing some documents.
504191	A "The size of image exceeds the maximum allowed size" error occurred for some imported images.
495982	Incorrect Document Definition was applied on splitting documents on Web Verification Station.

508750	An authentication error occurred when trying to access a task via the link with "mode=mini" property on Web Verification Station.
434718	Starting from this release, documents on the Web Verification Station are automatically re-assembled when the user clicks Apply Changes after new pages have been added or existing pages removed.
455811	Some fields were not extracted when using "Auto" recognition mode on some documents.
468130	Barcode values were recognized as "^" on some documents.
448285, 449608, 455190	Some correct hypotheses were lost in FlexiLayout Studio after upgrading to FlexiCapture 12.0.3.4222.
457064	The "Total" field was extracted incorrectly when using "Auto" recognition mode on some documents which were adjusted to 300 dpi after applying image enhancement profile in FlexiCapture for Invoices.
451242	There were different recognition and extraction results for "Invoice Number" and "Invoice Date" fields when using different recognition modes on some documents in FlexiCapture for Invoices.
483833	PostgreSQL database creation was not available via the FlexiCapture UI.
507401	A "notHandledInternalError" error occurred while verifying some documents in specifically configured projects on Web Verification Station.
500837	An "Allow operator to send tasks to rescanning stage" didn't work properly. When it was disabled in a project, operators still could send tasks to rescanning on Web Verification Station.
487243	"CopyBatchType" command in FCAdminTools worked more slowly the more batch types there were in a project.
476955	Some of the text was not extracted from some PDF documents when using "Auto" recognition mode.
473963, 483894	Documents separated by barcodes were not named by corresponding barcode values on Scanning Station.
472701	Some documents were not recognized when using "Auto" or "Prefer PDF text layer if available" recognition modes.
456690	In the Administration and Monitoring Console, there was no data in reports for documents processed by operators at the "Exceptions" stage.
453221, 453286, 471753, 476181	There were incorrect values in the "Samples matched" column in field extraction training batch view.
464680	Colored background could be extracted as an excess character when using "Auto" recognition mode.
460979	It was impossible to change the password for connecting to the database in Reporting Service.
489559	LocalDocumentStorage folder in the AppData directory was not cleaned up automatically in some cases.
481257	E-mail notifications on the number of pages remaining in the license were sent before the license reached the set threshold.
481003	Enable/Disable hotfolder command worked incorrectly when there were two projects with the same names on the server.
482460	Using "HotFolderManagerContinuousImportLimit" registry key led to IPE during IMAP import.

409147	It was impossible to set up database server connection when using FIPS policy.
199774	Parts of text were not recognized on some documents.
510832	The authorization token was not renewed automatically on Web Verification Station.
446497	A "Reference File Not Found" error occurred when trying to open a Document Definition on some documents.
498983	There was an incorrect column header in the License Consumption report exported to CSV.
411871	Some of the document's text layer was not recognized by OCR.
472873, 475225	A "SyntaxError : missing ) after argument list" error occurred when using French locale on Web Verification Station.
494518	Registration Parameters specified in image import profiles were not added to batches created within the same import task when using the HotFolderManagerContinuousImportImportLimit key.
492952	An "ERROR: no schema has been selected to create in" error occurred when creating a PostgreSQL database which runs on Linux.
451404	Database deadlock occurred when deleting or updating a task.
483272, 498214	Some of the batches were not displayed in batches view on Web Verification Station.
459951	Station service could load server's CPU up to 100% in some cases on Web Verification Station.
480990	The "Total" field could not be extracted from the text layer on some documents in ABBYY FlexiCapture for Invoices.
470074	Task could not be loaded when document contained more than 120 repeating groups on Web Verification Station.
458657	QR codes could not be recognized on some documents.
426946	No data was displayed in the General Operator report if only the "Default" batch type was selected from the batch type list in the Administration and Monitoring Console.
426829	Batch type settings were not saved on Web Scanning Station.
391645	Some fields were not recognized on some documents.
468409	Parts of the text on some PDF documents could not be recognized when using "Auto" or "Prefer PDF text layer" recognition modes.
312418	PDF text layer didn't align with PDF image when exporting to PDF.
469461	Processing performance reports for Input stage were built based on data for Output stage on Web Monitoring Station.
463887	Field suggests were not displayed if one of the suggests was more than 50 characters long.
472527, 488828, 495772, 507237	A "PRIMARY KEY constraint 'PK__#A9DEAE0__FB48074342AC2E85'." error occurred when trying to delete a batch type which contained script stages.
505306, 497285, 496654, 486473	There was incorrect sorting of batches in the batch view list on Web Verification Station.

434718	When dragging and dropping a page from one document into another, documents should be merged automatically after clicking the "Apply Changes" button on Web Verification Station.
411895	FlexiEx.exe process crashed when processing some documents.
409845, 327419, 468625	PDF text layer was extracted incorrectly from some documents.
458053	An error occurred when project had more than 200 batch types within it on Web Verification Station.
390724	Using "+" for e-mail addresses was forbidden for registration as well as while changing an e-mail address later.
411871	OCR could not extract and recognize spaces from the text layer on some documents.
410503	The action type of the "Details" button of the "Purchase orders" group did not change on Web Verification Station.
405355	Poor quality field images were displayed when verifying documents on Web Capture Station and Web Verification Station.
468093	Text in e-mail notifications was not translated correctly.
472445	In some cases, OCR was not used when "Auto" recognition mode was enabled and the text layer of a document was invalid.
444131	An "E:\TfsBuildAgent\_work\32\s\Build\FineObjects\Inc\PtrOwnerFO.h,203" error occurred when switching between documents on Verification Station.
435464	Automatic logout did not happen when users' sessions expired on Web Stations.
485473	There was no context menu button next to the documents when using Web Verification Station via Google Chrome on Mac OS.
458446	Incorrect values were displayed in "postponement time" column in task view on Web Verification Station.
470330	When re-selecting a field's region, the selected value was merged with the value of the existing field, rather than replaced.
458106	FlexiLayout Studio. Incorrect recognition of parts of text on some documents.
460447	The "Edit Record..." and "Add Record..." buttons disappeared from the lookup dialog box in some cases.