

# **ABBYY FlexiCapture 11 Release 6 Release Notes**

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# Introduction

## About This Document

This document describes the changes that have been made in ABBYY FlexiCapture 11 Release 6 compared to ABBYY FlexiCapture 11 Release 5 Patch 4.

## About Release 6

This release is intended for providing bug fixes, improvements in the Invoice project, support of new patching system.

## About the Product

ABBYY FlexiCapture 11 is a new version of FlexiCapture based on ABBYY FlexiCapture 10, with new features and improvements for processing invoices.

The distribution pack of FlexiCapture 11 includes a ready-to-use Invoice Project. ABBYY FlexiCapture for Invoices is a version of the product that includes an Invoice Project and a license allowing invoice processing.

## Upgrading from previous versions and previous releases

The System Administrator's Guide contains a detailed description of the upgrade procedure.

ABBYY FlexiCapture 11 Release 6 supports general-purpose projects created in ABBYY FlexiCapture 10, ABBYY FlexiLayout Studio 10, and in the previous releases of ABBYY FlexiCapture 11 and ABBYY FlexiLayout Studio 11.

Release 6 allows upgrading invoice projects created in Releases 2, 3, 4 and 5. Please note that invoice projects created in FlexiCapture 11 Release 1 are not compatible with FlexiCapture 11 Release 2 and later releases (an error message will be displayed stating that some project settings are missing).

## Key Improvements

- Invoice project improvements: support for Canadian and USA taxes;
- Bug fix, including fixes of import from email.

## Technical information

- Part #: 1112/28
- Build # 11.0.5.2421
- OCR Technologies build number 13.0.29.25
- Release date: 2016-11-15

## Bug fix

No	Issue description
1	Canadian Taxes HST, GST, PST and QST supported. Some taxes like GST and PST are typically presented on the invoice at the same time and applied to same amount of money. To support cases when different taxes are applied to the same amount of money, user can group taxes in Country Settings.
2	US Taxes extraction has been supported. As soon as US Tax rates are very variable, the program use only keywords to capture those taxes. Tax rate is optional in Tax Rate Settings.
3	Now operators cannot see documents from nearest tasks in thumbnails view for security reasons. Before they could see such documents but could not anything with their pages.

№	Issue description
4	For all text formats (csv, txt and xml) export using UTF8 without BOM encoding has been added. In case you export data into existing file and select UTF without BOM encoding, such data can be added into all files in UFT8 encoding (and cannot be added into UTF16). Both UTF16 and UFT8 with BOM cannot be added into files UTF8 without BOM.
5	The collapse and expand behavior of fields groups on data forms has been corrected. In case the option <i>Collapse Groups Never</i> is selected, all embedded groups are expanded. In all other cases, embedded groups are collapsed.
6	Network communication between all clients (Processing Stations, Scanning Stations and/or Processing Server) and the Application Server are carried out over the HTTP protocol. To work with HTTP, previous releases of FlexiCapture 11 used a proprietary implementation of ABBYY developed HTTP sockets. This has been replaced in FC11 Release 5 with a standard Microsoft Windows HTTP Services (WinHTTP) implementation.
7	<p>Bug Fixes</p> <ul style="list-style-type: none"> <li>• Several errors related to email import were fixed with a goal to prevent losing letters which could not be imported to FlexiCapture. That happened sometimes in case attachments where very large or file names encoding was not compatible with our formats. Now in such cases all letters are stored in the exceptions folder which can be specified in import profile settings. The information about such errors can be found in the Error log on the <b>Administration and Monitoring Console</b>.</li> <li>• Improved Vendor/BU detection</li> <li>• Project Setup Station session is not dropped by timeout anymore</li> <li>• Field extraction is improved for by increasing some fields region (<i>inflate</i> region)</li> <li>• FormDesigner works better with Arabic language</li> <li>• <i>Line Items\Quantity</i> allows fractional values now</li> <li>• <b>Group to Section</b> command has been added to Web Verification Station, so it can work with sections</li> <li>• Several problems with empty sections appearance in Document Editor were fixed</li> <li>• Column width changes in PO Matching dialog are saved now</li> <li>• Several issues with code editor in FlexiLayout Studio were fixed</li> <li>• Credit Note training doesn't affect invoice matching</li> <li>• New document property VerifiedBy is added. It also works with web stations</li> <li>• Several issues related to invoice project update were fixed</li> <li>• Scanning Plugin with APDFL now works correctly</li> <li>• CLRLoader is included in the installation package by default. This module allows working with .Net 4.0 and in previous releases users had to install it manually.</li> <li>• Several problems with patches were fixed</li> </ul>

# Appendix 1. History of releases

## **Release 5 Patch 4**

*Part #: 1112/26, Build # 11.0.4.2063, OCR Technologies build number 13.0.26.52, APDFL 10.1.0.55, Release date: 2016-08-08*

- Bug fix

## **Release 5 Patch 2**

*Part #: 1112/24, Build # 11.0.4.2059, OCR Technologies build number 13.0.26.52, APDFL 10.1.0.55, Release date: 2016 - 06 - 16*

- Bug fix

## **Release 5**

*Part #: 1112/22, Build # 11.0.4.2054, OCR Technologies build number 13.0.26.47, APDFL 10.1.0.55, Release date: 2016-04-08*

1. Invoice project
  - 1.1. Enhanced line item extraction in the European Invoice project
    - 1.1.1. General Line Items quality
    - 1.1.2. Improved processing of Line Items with headers on the 1st page only
  - 1.2. Fixes for Document Definition update problems
  - 1.3. Improved Document Definition for Australian invoices
  - 1.4. New Document Definition for Canadian invoices
  - 1.5. Region-based interpretation of decimal separators in numbers
  - 1.6. Enhanced detection of Purchase Order numbers
2. FlexiCapture platform
  - 2.1. Usage of Microsoft Report Viewer for reports generation
    - 2.1.1. Standard reports
    - 2.1.2. Custom Reports
  - 2.2. Support patches and service packs in the installation module
  - 2.3. Japanese localization of UI and documentation
  - 2.4. Superimposing a blank color image of a form on a filled out form

## **Release 3 Patch 10**

*Part #: 1112/20, Build # 11.0.2.1457, OCR Technologies build number 13.0.17.161, APDFL 10.1, Release date: 2016-03-03*

- Bug fix for the ABBYY NAHQ customer

## **Release 4 Patch 3**

*Part #: 1112/18, Build # 11.0.3.1771, OCR Technologies build number 13.0.22.59, APDFL 10.1, Release date: 2016-02-20*

- Bug fix for the ABBYY NAHQ customer

## **Release 3 Patch 9**

*Part #: 1112/19, Build # 11.0.2.1452, OCR Technologies build number 13.0.17.160, APDFL 10.1, Release date: 2016-02-01*

- Bug fix for the ABBYY Russia customer

## **Release 4 Patch 2**

*Part #: 1112/17, Build # 11.0.3.1770, OCR Technologies build number 13.0.22.59, APDFL 10.1, Release date: 2016-01-18*

- Bug fixes for ABBYY NAHQ, ABBYY EHQ, ABBYY Russia and ABBYY Australia customers

## Release 3 Patch 8

*Part #: 1112/16, Build # 11.0.2.1451, OCR Technologies build number 13.0.17.160, APDFL 10.1, Release date: 2015-12-03*

- Bug fix for the ABBYY NAHQ customer

## Release 4 Patch 1

*Build # 11.0.3.1766, OCR Technologies build number 13.0.22.48, APDFL 10.1, Release date: 2015-12-03*

- Bug fix for ABBYY 3A, ABBYY Australia, ABBYY EHQ

## Release 4

*Part #: 1112/15, Build # 11.0.3.1765, OCR Technologies build number 13.0.22.48, APDFL 10.1.0.55, Release date: 2015-10-02*

1. Invoice project
  - 1.1. Support for invoices from new countries
    - 1.1.1. Canadian Invoices
    - 1.1.2. Australian and New Zealand Invoices
    - 1.1.3. Hungarian Invoices
  - 1.2. Field extraction improvements
    - 1.2.1. Enhanced Business Unit and Vendor search
    - 1.2.2. Enhanced Line Item extraction
  - 1.3. General Ledger and Cost Center Coding support
2. Project Setup
  - 2.1. Data Set as a source for Allowed Values
  - 2.2. Custom ordering of table columns in the data form
3. Import
  - 3.1. Access to files attached to the source PDF file
  - 3.2. The color drop-out option in standard scanning settings dialog box
  - 3.3. Custom color filling for parts of images that became empty as a result of deskewing on a Scanning Station
4. Analysis and recognition
  - 4.1. Enhanced processing of documents in Arabic, Chinese and Korean languages
  - 4.2. Support for American mail (USPS-4CB or Intelligent Mail) and Australian mail barcodes
5. Verification
  - 5.1. Postponed verification tasks return to queue on timeout
  - 5.2. Tools for copying table cell values on Web Verification and Web Capture Stations
6. Export
  - 6.1. Export to MS SharePoint 365
  - 6.2. Automatic creation of folders when exporting images to Microsoft SharePoint
7. Administration and Monitoring
  - 7.1. Closing inactive sessions automatically, releasing license tickets and tasks
8. Scripts and Customization
  - 8.1. Modification and deletion of Data Set records
  - 8.2. Selectable standards of the PDF/A format in export settings

- 8.3. Changes to command line parameters for updating Data Sets
- 8.4. WEB Station customization
  - 8.4.1. Batch type selection on Web Data Verification station
  - 8.4.2. Enabling format checks during field verification on WEB Data Verification Station
  - 8.4.3. Changing button captions and hiding them on WEB Data Verification Stations
  - 8.4.4. URL based API for WEB Scanning and WEB Capture Stations
9. FlexiLayout Studio
  - 9.1. Extended regular expressions
  - 9.2. Protection features for FlexiLayouts
  - 9.3. Hiding block names on images
  - 9.4. Narrower range of years in the Date element
  - 9.5. Project name appears as the suggested name when saving \*.afl files
10. Localization
  - 10.1. Chinese (Simplified), Korean, Serbian, Portuguese (Brazilian) and Italian localizations of the user interface and documentation
11. Documentation
  - 11.1. Installation instructions for web stations on a server other than the Application Server
  - 11.2. Information about restrictions imposed by licenses with a limited number of fields added to Help
12. System Requirements
  - 12.1. Microsoft Windows 10 support

### **Release 3 Patch 7**

*Part #: 1112/14, Build # 11.0.2.1449, OCR Technologies build number 13.0.17.160, APDFL 10.1, Release date: 2015-08-27*

- Bug fixes for ABBYY European HQ

### **Release 3 Patch 6**

*Part #: 1112/13, Build # 11.0.2.1448, OCR Technologies build number 13.0.17.160, APDFL 10.1, Release date: 2015-07-29*

- Bug fixes for ABBYY Russia

### **Release 3 Patch 5**

*Part #: 1112/12, Build # 11.0.2.1446, OCR Technologies build number 13.0.17.160, APDFL 10.1, Release date: 2015-07-08*

- Bug fixes for ABBYY European HQ, Russia, North American HQ

### **Release 3 Patch 4**

*Part #: 1112/11, Build # 11.0.2.1443, OCR Technologies build number 13.0.17.152, APDFL 10.1, Release date: 2015-06-05*

- Enhanced search of DataMatrix and other 2D barcodes
- New image pre-processing methods in scripts
- Bug fixes

### **Release 3 Patch 3**

*Part #: 1112/10, Build # 11.0.2.1440, OCR Technologies build number 13.0.17.146, APDFL 10.1, Release date: 2015-04-24*

- Optimization of stored procedures working with registration properties



- Faster routing of large batches between stages
- Bug fixes for ABBYY European HQ, ABBYY North American HQ

### **Release 3 Patch 2**

Part #: 1112/9, Build # 11.0.2.1437, OCR Technologies build number 13.0.17.139, APDFL 10.1, Release date: 2015-04-01

- Bug fixes for ABBYY Russia and ABBYY European HQ customers

### **Release 3 with US invoices**

Part #: 1112/8, Build # 11.0.2.1435, OCR Technologies build number 13.0.17.115, APDFL 10.1, Release date: 2015-03-10

- Added invoice project for US Invoices
- Purchase Order matching on web stations
- Bug fixes for ABBYY European HQ, ABBYY Russia and ABBYY North American HQ

### **Release 3 with Hungarian**

Part #: 1112/7, Build # 11.0.2.1431, OCR Technologies build number 13.0.17.115, APDFL 10.1, Release date: 2015-02-13

- Hungarian localization of the UI
- French localization of help files
- German help updated to cover Release 3

### **Release 3**

Part #: 1112/6, Build # 11.0.2.1427, OCR Technologies build number 13.0.17.88, APDFL 10.1, Release date: 2014-12-26

#### ***Features for Invoice Processing***

- Line item extraction
- PO matching
- Data Set scripting and other improvements

#### ***Platform features***

- Enhanced integration of external recognition engines (Passport Reader) with FlexiCapture
- Use of Web Capture and Web Scanning Stations now possible without plug-ins
- Centralized scanning settings for different scanner models
- PDF/A creation on Scanning Stations
- Automatic termination of inactive sessions of rich stations and web stations

### **Release 2 Multilingual**

Part #: 1112/5, build # 11.0.1.1427, OCR Technologies build number 13.0.12.107, release date: 22/09/2014

- UI and help localizations for the following languages:
  - French
  - German
  - Spanish
  - Czech
  - Polish

### **Release 2**

Part #: 1112/4, build # 11.0.1.1121, OCR Technologies build number 13.0.12.96, release date: 02/06/2014

#### ***Features for FlexiCapture for Invoices***

1. Line item extraction [DEMO]

2. PO matching: ability to find order number and view order details
3. Verification of invoices is now available on web stations.
4. BU and vendor search
  - 4.1. Dependency of Vendor ID on BU is supported.
  - 4.2. Vendor and BU IDs can be predefined using registration parameters. This is useful for cases when a BU or vendor can be defined using some external information (such as e-mail data).
5. Amount search: the quality of searching for a zero tax amount has been significantly improved.
6. Working with Data Sets
  - 6.1. Normalization: different wordings/spellings of the same thing will now count as the same thing (e.g. ltd=limited). Normalization settings can be changed by editing the configuration file.
  - 6.2. Columns can have multiple values (e.g. several addresses)
  - 6.3. Records with the same ID are merged (i.e. considered as the same record with multiple values).
7. Additional FlexiLayouts and FlexiLayout training
  - 7.1. An additional FlexiLayout can now be used in combination with the built-in FlexiLayout. This is useful when looking for very specific custom fields.
  - 7.2. When the Document Definition is applied to European Invoices, the program will now apply the built-in FlexiLayout, the trained alternative (if available), and the additional layout (if available).
  - 7.3. New FlexiLayout Studio features for creating additional FlexiLayouts: access to Data Sets, access to vendor and BU IDs, access to regions matching the built-in FlexiLayout.
8. Invoice project
  - 8.1. Added an option for creating an invoice project to a menu and to the dialog box that appears when FlexiCapture starts.
  - 8.2. Project update support: custom project settings are retained when the project is updated to the latest version of ABBYY FlexiCapture.
9. Training batches
  - 9.1. Training batches can be exported to and imported from another project.

## ***Platform features***

- 2.1. Languages
  - 2.1.1. Localized UI and documentation
  - 2.1.2. Custom localization of Document Definitions
- 2.2. Document Definition Editor
  - 2.2.1. Date normalization
  - 2.2.2. Normalization of amounts of money and numbers
  - 2.2.3. Field verification threshold
  - 2.2.4. New Data Form in Document Editor
  - 2.2.5. Recognition settings for inverted text
  - 2.2.6. Ability to hide a rule name in the error message
- 2.3. Import
  - 2.3.1. Import from e-mail: save information about sender, recipient, date and time, subject
  - 2.3.2. Save source e-mail as a batch attachment
  - 2.3.3. Image window improvements on the Scanning Station
- 2.4. Processing
  - 2.4.1. Local and universal format of automatically generated dates
  - 2.4.2. Environment variables
- 2.5. Export
  - 2.5.1. Export to typified columns in SharePoint
- 2.6. Administration and monitoring

2.6.1. Automatic deletion of hanging sessions opened via API

## 2.7. Scripts and customization

2.7.1. New event handlers in Document Definitions

2.7.2. Information about next processing stage of document from scripts

2.7.3. New MaxPagesToMatch property of IMatchingInfo object

2.7.4. Getting batch creator via scripts

## 2.8. FormDesigner

2.8.1. Enhanced checkmark group import to FC

2.8.2. Custom cell size for text fields with markup

2.8.3. Black delimiters in Entry field

2.8.4. Preserving field mark type on printed PDF form

2.8.5. Enhanced picture quality in image-only PDF files

## Release 1

*Part #: 1112/3, build # 11.0.0.830, OCR Technologies build number 13.0.6.49, release date: 7/10/2013*

### ***Features for Invoice Processing***

- Extraction of all main invoice fields or of a predefined set of fields
- Built-in FlexiLayout with predefined settings
- Predefined set of editable rules
- Verification interface has been improved and adapted for invoices
- Predefined Data Form for invoice verification
- Advanced vendor and business unit lookup
- Training by operators
- Training by administrators
- Invoice processing support added to the Distributed and Standalone versions
- Support for multipage invoices
- Country pane for country settings such as currencies, key words, formats, ability to add new country, automatic addition of standard country languages
- PO matching
- Additional fields: Purchaser name, Due Date, PO number
- Support for custom fields supported, ability to train custom fields by vendor
- Country-dependent rules

### ***Features for all projects***

- Improvements in verification UI
  - Suggestions from recognition cache during verification
  - Field grouping
  - Field images in the data form
- Conditional activation of rules and conditional export destination selection
- The Administration and Monitoring Console now allows subscribing to notifications and displays license parameters

- Scanning Station improvements
  - Support for .Net scripts
  - Registration parameters can be imported from external sources
- FlexiLayout Studio improvements
  - Support for work with multiple batches
  - Ability to assign hot keys to commands
  - New languages supported in the Date element
  - New functions in FlexiLayout language

### **FlexiCapture for Invoices Beta**

*Part #: 1112/2, build # 11.0.0.615, release date: 22/05/2013*

- Country pane for country settings such as currencies, key words, formats
- Ability to add a new vendor or business unit and unique codes if they are not available in the database
- Settings for databases
- Country-dependent rules and rules which depend on conditions

### **FlexiCapture for Invoices Technical preview**

*Part #: 1112/1, build # 11.0.0.504, release date: 04/02/2013*

- Extraction of all main invoice fields or of a predefined set of fields
- Built-in FlexiLayout with predefined settings
- Predefined set of editable rules
- Verification interface has been improved and adapted for invoices
- Predefined Data Form for invoice verification
- Advanced vendor and business unit lookup
- Training by operators
- Training by administrators (partially implemented)
- Suggestions from recognition cache during verification