ABBYY FlexiCapture 12 Release 1 Update 7 Release Notes

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Introduction

About This Document

This document describes the changes made in ABBYY FlexiCapture 12 Release 1 Update 7.

About the Product

ABBYY FlexiCapture 12 is a new version of the FlexiCapture product whose main goal is to provide a stable and scalable Data Capture platform that can serve as a basis for creating regional and vertical solutions.

About the Update

The update is released to fix security issues and installation bugs. It can be installed as a separate distribution kit or on top of FlexiCapture 12 Release 1 and any previous updates.

Technical Information

Release	Part #	Build #	OCRT build #	Release date
Release 1 Update 7	**1299/19**	**12.0.1.516**	**15.0.1.254**	**2018.04.11**
Release 1 Update 6	1299/18	12.0.1.475	15.0.1.253	2018.02.09
Release 1 Update 5	1299/17	12.0.1.428	15.0.1.243	2017.12.21
Release 1 Service Pack 1 *(Update 4)*	1299/16	12.0.1.367	15.0.1.243	2017.10.23
Release 1 Patch 3 *(Update 3)*	1299/15	12.0.1.292	15.0.1.230	2017.08.18
Release 1 Patch 2 *(Update 2)*	1299/14	12.0.1.282	15.0.1.230	2017.07.19
Release 1 Patch 1 *(Update 1)*	1299/13	12.0.1.267	15.0.1.224	2017.05.23
Release 1	1299/12	12.0.1.263	15.0.1.223	2017.05.19

New Functionality

1. Security

1.1. Broken Access Control

The POST request /FlexiCapture12/Login/Server/SevaUserProfile no longer uses the FlexiCaptureTmsSts2 parameter. The behavior of the web application is currently not affected when editing the request.

1.2. Cross-Site Request Forgery

For all web applications (Web Verification, Web Scanning, Web Capture, Monitoring and Administration, Login), the ASP.NET MVC AntiForgeryToken mechanism (https://msdn.microsoft.com/en-us/library/dd470175(v=vs.118).aspx) has been applied.

In addition, the validation of AntiForgeryToken has been added for POST methods that require it.

1.3. Weak Password Policy

The password policy has been changed to comply with Microsoft's configuring password policies (https://technet.microsoft.com/en-us/library/dd277399.aspx).

Now a user's password should contain English upper case and lower case letters as well as Arabic numerals or special characters (! @ # $ % ^ & * ( ) _ - + : ; , . > < =").

1.4. User Impersonation Allowed Privilege Escalation

Not an issue.

The requests show that some user with Basic authentication tries to open a session with the Administrator role (roleType=10) and the non-existing station type (stationType = 39). The session opens successfully, meaning that the user is authenticated in IIS and authorized by FlexiCapture to open sessions as Admin, i.e. he has administrative permissions in FlexiCapture.

1.5. Clear Text Data Transmission (ABBY-014-2-2)

Not an issue, it is an infrastructure setting. Admin Guide explains that HTTPS should be enabled for the production environment and describes how to achieve this.

When FlexiCapture is installed by means of the automatic installer, it works using HTTP. We can easily forbid communication via HTTP and require HTTPS only but:

- it is hard to setup HTTPS automatically, manual steps are described in the Admin Guide . Configuration is determined by the infrastructure.
- If we only prohibit HTTP and do not setup HTTPS automatically, all our demo installations of FlexiCapture will require obtaining and installing a certificate and the program will not work from scratch. We, on the other hand, would like to avoid that and keep demo scenario simple.

All installations in production must use HTTPS, this is configured at the infrastructure level. This is described in the Admin Guide.

1.6. No Account Lockout

We created a counter that logs logon attempts. It is incremented in case of unsuccessful logon. When a user runs out of attempts to log on to the system, the system temporarily locks the user's account.

2. Synchronizing AD groups from multiple domains

It is possible to synchronize (manually or by external web request) users with Active Directory when multiple AD domains are used. Previously, users could only be synchronized with one AD domain. Users from different domains should be imported and synchronized alternately, groups will not be re-written.

How to synchronize groups from different domains:

- During the first import form AD, the path to the server is saved in FlexiCapture database in the *domain.com\group1* format. Synchronization works as usual. If a group name changes, the name will be replaced by *domain.com\group1NewName* in the database.
- At the same time, it is only possible to synchronize groups of one domain, which is indicated in the settings. To synchronize groups from other domains, it is necessary to change setting consecutively and synchronize.

After the upgrade to the current version:

- The database must be updated to ver. 125.
- For all objects already imported from AD, the same path that was used during the last import or synchronization is used.
- During the first synchronization (not import), the path will be replaced by domain.com\group1.

Troubleshooting:

After the upgrade, some groups stopped synchronizing. This can be caused by the incorrect path saved during the upgrade or a changed server name (e.g. URL was replaced by IP or an alias). Solution: try importing the groups once again (no need to delete any of them).

Bug Fixes

#	Issue description
1	**Installation**. Some files were missing from the installation package depending on the selected configuration. The following files are added to corresponding installation packages: *TextGraphicsTypeDetection.clc* *InvoiceSettings15.dll* *OfficeConverter.dll*
2	**Installation**. During deinstallation all files and the folder itself were deleted.
3	**Installation**. If the Application Server is installed without the Processing Server or the Licensing Server, the user must be requested to input the path to those servers. However, this step was missing during installation.
4	**Web Verification Station**. The station did not open inside the tenant if web verification was opened form another tenant.
5	**Web Verification Station**. An error occurred during the first launch of the Web Verification Station with taskId in the URL.
6	**Reports**. The site productivity report and the general operators report failed to be generated on certain data.
7	**Invoice Project**. Sometimes the opened PO table was empty in spite of the fact that the vendor and BU were filled and there were records in the data set.
8	**Invoice Project**. IPE occurred when adding a vendor using API and the vendor has duplicated Id but different BusinessUnitId and for the *BUid* column the flag **Cannot be empty** was switched off.
9	It was not possible to create a user in a tenant using API if the user with the same ID already existed in the default tenant.
10	Users could have incorrect batch name sending batches from FlexiCapture Mobile Client in case user name had the *Domain\UserID* format. Now the prohibited character "\" is replaced by "_" so batch names are valid.

Known Issue

LibreOffice 6 cannot be used for conversion because FlexiCapture cannot find it due to renamed folder.
Workaround: use LibreOffice 5 which is recommended for enterprise usage and can be downloaded from the official site.