

ABBYY® FlexiCapture® 9.0

Migrating from FlexiCapture 8.0 to FlexiCapture 9.0

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Migrating from FlexiCapture 8.0 to FlexiCapture 9.0

About the document

This document describes how to migrate from FlexiCapture 8.0 and start using FlexiCapture 9.0. The major difference between FlexiCapture 8.0 Professional and FlexiCapture 9.0 is that the distributed installation is available in FlexiCapture 9.0. A description of a new functionality and a list of all improvements can be found in the help file and at: <http://www.abbyusa.com/flexicapture/functionality/>

FlexiCapture 8.0 Professional projects can be used in both Standalone and Distributed Installations of FlexiCapture 9.0.

New Product Names

Version 6.5	Version 8.0	Version 9.0
FormReader 6.5 Desktop Edition	FlexiCapture 8.0 Professional	FlexiCapture 9.0 (Standalone Installation)
FormReader 6.5 Enterprise Edition	-	FlexiCapture 9.0 (Distributed Installation)
FlexiCapture Studio 1.5	FlexiLayout Studio 8.0	FlexiLayout Studio 9.0
FormDesigner 2.5	FormDesigner 8.0	FormDesigner 9.0

Installation

Old and new versions of the FlexiCapture products have completely separate installation processes, which means that configuration of the old version will not be inherited by the new installation. Old and new versions are treated as separate products. FlexiCapture 8.0 and FlexiCapture 9.0 can be installed on the same machine. The installation instructions for FlexiCapture 9.0 can be found in the Administrator's Guide on the disk with FlexiCapture 9.0. You can open it using the Autorun menu.

Licenses

A new FlexiCapture 9.0 license is required in order to use FlexiCapture 9.0. The license from FlexiCapture 8.0 will not work with FlexiCapture 9.0. But it is possible to write a FlexiCapture 9.0 license into the same hardware key where a FlexiCapture 8.0 license was stored. The license can be written to the key using the License Manager utility shipped with FlexiCapture 9.0.

Software and Hardware requirements

Please refer to the "Software and hardware requirements" article in the Help File to check if your hardware and software configuration meets FlexiCapture 9.0 system requirements. **Please note** that it is strongly recommended to use server operating systems for server installation. You can use other operating systems to install servers for demonstration purposes only, but since those operating systems have a limited number of connections, running in a production environment is not recommended. **Installation of Application Server** requires additional software to be installed prior to server install: Internet Information Server 6 or 7 and .NetFramework 2.0 or later.

For more details please refer to the Administrator's Guide on the disk with FlexiCapture 9.0. You can open it using the Autorun menu.

Servers and Stations

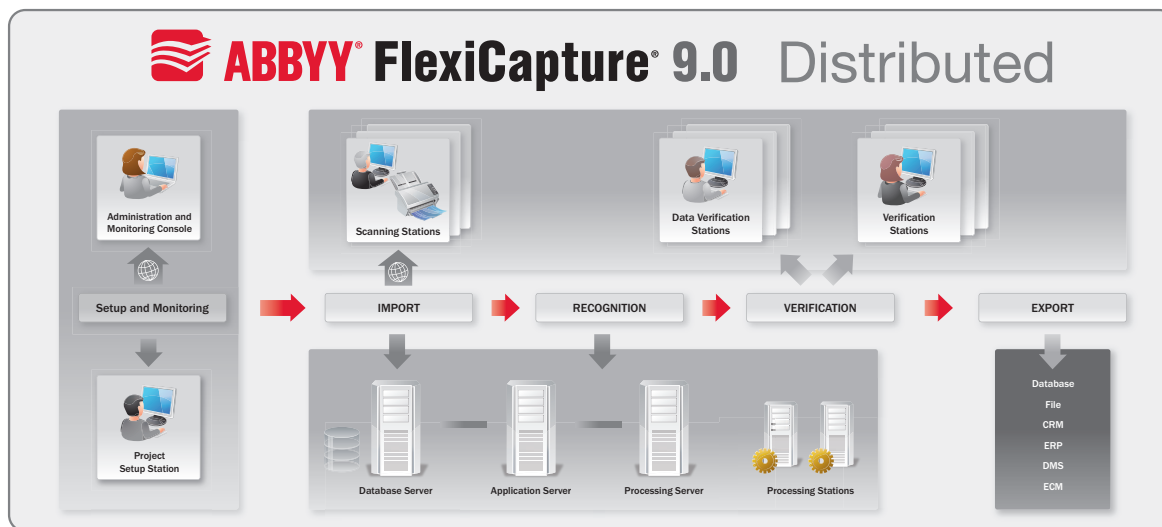
Standalone

Standalone installation is similar to that of FlexiCapture 8.0 Professional, which offers the Administrator Station.

Distributed

FlexiCapture 9.0 Distributed has the following servers and stations:

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Application Server (required)

Ensures correct operation of the entire system. The stations communicate among themselves via the Application Server.

Protection Server (required)

License Manager is used to manage licenses.

Database Server (required)

SQL 2005, SQL 2008 or SQL Express can be used. SQL Express is supplied with the FlexiCapture 9.0. File Storage on Application Server can be used to store project files. If you don't use it, all files will be stored in the Database.

Processing Server (required)

Distributes the workload among the Processing Stations. To monitor Server's work, Protection Server Monitor must be used.

Processing Station (required)

Performs the following operations: recognition, import from HotFolder, export.

Project Setup Station (required)

This station is used to create and set up projects.

Administration and Monitoring Console (required)

Monitoring of the whole system's work, reports generation, users' rights management, database creation. Administration and Monitoring Console is installed together with Application Server. You can also access it from another computer (if the user has proper rights). To open it, type the following address in your browser: <http://<AppServer>/flexicapture/Home.aspx>, where <AppServer> is the name of your Application Server.

Verification Station (optional)

Is used to verify documents, correct validation rules' errors, and assembly of documents.

Data Verification Station (optional)

Used for simple verification of characters recognition (group and filed verification)

Scanning Station (optional)

Used for Scanning documents. Loading of images from folders is also possible.

Number of Servers and Stations

One FlexiCapture 9.0 Distributed installation should have one server of each type. The number of stations depends on your needs and controlled by the license. For example, the number of Project Setup, Verification, Data Verification and Scanning stations that can be running simultaneously is controlled by the license parameter that can be checked through the License Manager Utility.

All the stations above have their analogs in FormReader 6.5 Enterprise Edition, you may need the same number of stations you used in 6.5. The number of Processing Stations is not limited, since productivity is controlled either by the number of pages or the number of cores. The Administration and Monitoring Console has no limitations on number of running copies as well, you can use this station from any computer.

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Using FlexiCapture 8.0 Professional projects

Using FlexiCapture 8.0 Professional projects (*.fcproj)

All FlexiCapture 8.0 Professional projects (.fcproj) can be used in FlexiCapture 9.0 (both Standalone and Distributed). Please note the following:

- It is not possible to open an .fcproj-project in FlexiCapture 8.0 Professional once it was opened in FlexiCapture 9.0, so create a copy of the project before opening it in FlexiCapture 9.0 if you still need to open it in FlexiCapture 8.0 Professional.
- After opening a FlexiCapture 8.0 project in FlexiCapture 9.0, in order to complete conversion, you need to delete all processing results and analyze all pages once again.
- All settings that were not available in FlexiCapture 8.0 and are in FlexiCapture 9.0 will have default values. You can change settings add batch types, set up workflow settings. To find more details about new possibilities of FlexiCapture 9.0 please read the help file, the description of changes is available in the “New features of ABBYY FlexiCapture 9.0 not available in ABBYY FlexiCapture 8.0 Professional” article.

Using FlexiLayout Studio 8.0 projects (*.fsp)

All FlexiLayout Studio 8.0 projects can be opened in FlexiLayout Studio 9.0. Please note the following:

- It is not possible to open an .fsp-project in FlexiLayout Studio 8.0 once it was opened in FlexiLayout Studio 9.0, so create a copy of the project before opening it in FlexiLayout Studio 9.0 if you still need to open it in FlexiLayout Studio 8.0.
- After opening a FlexiLayout Studio 8.0 project in FlexiLayout Studio 9.0, you may need to delete all processing results and analyze all pages once again.
- Due to changes in the FlexiLayout language, some compilation errors may occur. In this case you will need to correct errors and re-compile FlexiLayouts. See **Errors which may occur while converting FlexiLayouts**.

Known issue: Importing Document Definition from the FlexiCapture 8.0 index field defined in export files naming options disappears. The checkbox “Use index field” is still marked but the index field is not specified. During the export the user will see a correct error message.

Using FlexiLayouts (*.af) created in FlexiLayout Studio 8.0

FlexiLayouts compiled in FlexiLayout Studio 8.0 can be loaded into FlexiCapture 9.0.

Sometimes due to changes in FlexiLayout language some compilation errors may occur. In this case open the *.fsp project in FlexiLayout Studio 9.0, correct the errors and re-compile FlexiLayouts. See **Errors which may occur while converting FlexiLayouts**.

Errors which may occur while converting FlexiLayouts

Sometimes, the converted FlexiLayout cannot be compiled (matched and recognized).

If the FlexiLayout cannot be compiled, you will see the corresponding message during templates conversion. Open the *.fsp project in FlexiLayout Studio 9.0. Some of the elements may be invalid and have an error description on the Errors tab.

It is also possible that the FlexiLayout is successfully compiled, but some errors occur during matching.

If you have such problems after conversion, please check if it happened due to one of the errors described below.

Please note that some elements may be found in a different way now and the logic of FlexiLayout may slightly change. Test all FlexiLayouts on the images before using them for recognition.

If you need assistance please contact our Technical Support: var_support@abbyusa.com

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Problem	Comment	Workaround
A FlexiLayout will not be compiled with the following errors:		
<p>The name of an element coincides with a function's name that didn't exist in previous versions.</p> <p>Example: in 8.0 it was possible to create a text element with a name "RSA" and reference it using the short name: RSA.IsNull. This code cannot be compiled in 9.0.</p>	<p>If the element's name coincides with a function's name, it will be considered as a function's name in the code. It's possible to create an element with the name PageNumber, but it is prohibited to write PageNumber.IsNull (the only possible way is to write SearchElements.PageNumber.IsNull);</p>	<p>Use the full name of an element.</p> <p>Example: SearchElements.RSA.IsNull</p>
<p>If the element had a name which was allowed in 8.0 but prohibited in 9.0, and there was a reference to this element using a short name in the AdvancedCode, this element will be re-named during conversion, but the short name in the AdvancedCode is not changed. So, in advanced code, there will be a reference to the element which doesn't exist.</p>		<p>In AdvancedCode, the element should be re-named manually.</p>
<p>The following structure is not allowed in 9.0:</p> <p>Let e = SearchElements.StaticText1; e = SearchElements.StaticText2;</p>	<p>As the elements now have user-defined properties, the elements of the same type are not considered identical.</p>	<p>Change the mentioned structure as follows:</p> <p>Hypothesis e; e = SearchElements.StaticText1; e = SearchElements.StaticText2;</p>
<p>Incorrect usage of elements' short names.</p> <p>Example:</p> <p>There are elements: SearchElements.A.A, SearchElements.A.B, SearchElements.A.C.</p> <p>In previous versions, it was possible to use the following structure in the code of element C: A.B</p> <p>In 9.0, such a structure cannot be compiled. A is considered SearchElements.A.A, but this element hasn't a B field.</p>	<p>A conflict may arise when short names are used. In 8.0, in case of conflict, the high-level element was selected. In 9.0, the low-level element is selected.</p>	<p>Use the full names of elements.</p>
The following errors may occur during layout matching:		
<p>Error in element "SearchElements.StaticText", Pre-search relations section: D:\Tests\ForConversion\1.txt was not found.</p>	<p>In 9.0, a reference folder for relative paths to the text files used in the StaticText element was changed. In 8.0 the relative path began from the batch's folder (where the images are stored). In 9.0, they begin from the project's folder (the folder which contains the .fsp file).</p>	<p>Place the mentioned text file to the folder indicated in the message (for this example, you should put the file "1.txt" to the following folder: D:\Tests\ForConversion\). You can also change the path to the file.</p>

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