Applies to version: 2023 R3 and above; author: Jacek Język

Introduction

ABBYY FineReader 12 is a software that transforms scanned documents and PDF files into editable (text) versions. In the WEBCON BPS platform, the software is used to generate text layer for attached files.

This article describes the procedure for installing the ABBYY FineReader 12 component.

Installation

Before installation, download the ABBYY FineReader Engine 12 installation files package that corresponds with your WEBCON BPS system from <u>https://community.webcon.com</u> (the **Downloads** section).

File	Description
ADDVO/ Einerender Engine II	076 MD
ABBYY Finereader Engine 12	1452 MB
SDR migration 2020.1	the following document contains a list of changes in webcower 3 2022, 30K

Then, create the "ABBYY" folder in the installation directory of the WEBCON BPS platform.

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		🧿 Instrukcja Instalacji Standalone.po		Chrome HTML Do	1 510 KB	
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		Standalone Installation.pdf	09.05.2023 08:16	Chrome HTML Do	1 175 KB	

Extract the downloaded archive file, and then copy the "FineReader 12" folder into the "ABBYY" folder previously created in the WEBCON BPS installation directory.

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26 items									HEE 0

Run the WEBCON BPS installer.

If the platform is already installed, select the **Update or expand an existing WEBCON BPS installation** option, otherwise select **New installation of WEBCON BPS**.

In the **Select components** step, navigate to the **Other components** section, and select **Installation** next to the **ABBYY FineReader Engine 12.0** field. Continue with the installation.

CO WEBCON BPS Installer - 2023.1.3.29			×
WEBCƏN	WEBCON BPS Components	Available ver.	Current ver.
	WEBCON BPS WorkFlow Service Windows Service responsible for the automation of events in WEBCON BPS	2023.1.3.29	2023.1.3.29 🕨 Skip 🔹
✓ WEBCON BPS farm	WEBCON BPS Designer Studio Tool for workflow configuration and system parameterization	2023.1.3.29	2023.1.3.29 🕨 Skip 🗸
System verification Component selection Prerequisites	WEBCON BPS Portal WEBCON BPS Portal installed on local Windows server and hosted by IIS Service	2023.1.3.29	2023.1.3.29 🕨 Skip 🗸
 > Prerequisites > Database upgrade > Finish 	WEBCON BPS Search Server Service that allows searching for phrases and navigation elements inside WEBCON BPS Portal	1.0.31.0	1.0.31.0 E Skip -
	Other Components	Available ver.	Current ver.
	ABBYY FineReader Engine 12.0 Component should be installed on the machine where WEBCON BPS service works.	12.5.15.7	Not installed 🕅 Installation 🔹
	● WEBCON BPS Modern Web Parts for Office 365 Set of Web Parts that allow to embed WEBCON BPS Portal presentation elements on SharePoint Online sites	2023.1.3.29	b⊎ Skip •
😵 0 🦺 0 🚯 3 🗸 0		🖧 Main menu <	Back Skip $>>$ Next $>$

After proceeding to the **Components installation** step, a window will be displayed, allowing you to configure installation parameters for ABBYY FineReader 12.

CO ABBYY FineReader 12 Installation parameters					
ABBYY FineReader 12 Engine install					
Installation path: License management	C:\Program Files\FineReader 12				
O Install network license server on	the local machine				
 Use network license 					
	V OK Cancel				

To work correctly, the ABBYY FineReader 12 component requires the installation of the text layer engine on the server where the WEBCON BPS service operates with the **OCR AI** role. In addition, you need to install a license server to manage ABBYY FineReader 12 licenses.

The installer allows you to choose one of the two available installation modes:

- Install network license server on the local machine both the text layer engine and the ABBYY FineReader 12 license server will be installed on the server;
- **User network license** only the text layer engine will be installed on the server. In this case, you also need to specify the name of the server (in the NetBIOS format) on which the ABBYY FineReader 12 license server will be installed.

The ABBYY FineReader 12 license server should be installed on a dedicated computer using the same installer, but by selecting the **Install network license** server on the local machine option.

The network mode enables multiple text-layer-generating servers to utilize the same license server.

The license management (activation/deactivation) always occurs at the server level where the license server is installed.

Installation in the Install network license server on the local machine mode.

Select the **Install network license server on the local machine** option in the installation window.

CO ABBYY FineReader 12 Installation parameters						
ABBYY FineReader 12 Engine installation process						
Installation path:	C:\Program Files\FineReader 12					
License management						
Install network license server on	the local machine					
 Use network license 						
	V OK Cancel					

Once you select the **OK** button, the ABBYY FineReader 12 installer is run to install the corresponding components.

nstalling ABBYY Find the program features y	eReader Engine 12 ou selected are being ins	stalled.		
Package: ABBYY FineR Res.cab	leader Engine 12 Runtime	e (64 bit). Acquiring and v	erifying the installation files	
-		ice. Acquiring and verifyin	g the installation files	^
Complete. Package: ABBYY Finef	Reader Engine 12 Runtim	1e (64 bit). Acquiring and v	erifying the installation files	
				~
				~

A window prompting you to enter the license key is displayed after completing the components installation.

OD ABBYY FineReader 12 Activatio	on parameters X
Enter the license activation key in ord You can also activate the license late	
Activation key:	
	V OK Cancel

The license key (**Assigned serial number**) for the ABBYY FineReader 12 package is provided along with the certificate documenting the license purchase.

	CERTIFICATE	
This c	ertificate proves the legal acquisition	by
	«WEBCON Sp. z o.o.»	
(69 Dok	tora Józefa Babińskiego, Kraków, 30-393, Pol	and)
of 1 ABE	YY FineReader Engine 12 Runtime Lic	cense
	with the following parameters:	
	50 000 pages per year limitation;	
	PDF Export add-on;	
	Software protection.	
The lice	ense subscription is valid until 18.01.2	2025
	SMUA is included.	
	© 2024 ABBYY	
	Assigned serial numbers:	
Market 1	Customer project:	
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ABBYY	Date: 06 February 2024 ABBYY	
license	ABBYY	

After entering the correct key and confirming it with the **OK** button, an attempt to activate the license is made. This type of activation requires internet connection. In case of unsuccessful activation (e.g. due to no internet connection), you can still perform the activation after installation by running the dedicated **LicenseManager** application. The procedure for LicenseManager activation is explained later in this article.

The next installer window requires granting permissions to the ABBYY FineReader 12 component for the service user account. You can grant relevant permissions in the course of installation process or skip this step and configure them later on.

FR12 COM	A permissions	×
1	In order for FineReader 12 to work correctly, permissions to the DCOM 'ABBYY FineReader 12.5 Engine Loader (Local Server)' component are needed for the service account. It can be done using 'Component Services'. Do you want to do it now?	
	Yes No	

Clicking the **Yes** button opens the **Component Services** window, allowing you to add the necessary permissions. Choosing **No** allows you to configure the permissions later.

Adding permissions to service account

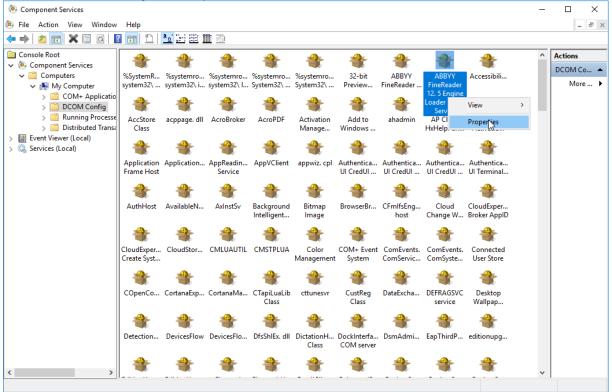
If you add permissions during the installation process, the Component Services window will automatically open, allowing you to proceed immediately with the permissions configuration. If this operation is performed after installation, the Component Services window must be opened manually. You can do that in two ways:

- by typing in the "dcmcnfg" command in the **Run** dialogue window in the Windows system (Windows key + R);
- by navigating in the Control panel window through the path System and Security → Windows Tools → Component Services → Computers → My Computer → DCOM Config.

After opening the Component Services window, go to DCOM Config and select the **ABBY FineReader 12.5 Engine Loader (Local Server)**.

File Action View Window	Help										- 5
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Console Root Component Services Computers COM+ Applicatio COM+ Applicatio COM+ Computer COM+ Computer CO	SystemR system32\	%systemro system32\ i acppage. dll	system32\ I			32-bit Preview Add to Windows	ABBYY FineReader ahadmin	ABBYY FineReader 12. 5 Engine Loader (Local Server) AP Client HxHelpPan	Application	^	Actions DCOM Co More
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	CloudExper Create Syst	CloudStor	CMLUAUTIL	CMSTPLUA	Color Management		ComEvents. ComServic		Connected User Store		
	COpenCo	CortanaExp	CortanaMa	CTapiLuaLib Class	dtunesvr	CustReg Class	DataExcha	DEFRAGSVC service	Desktop Wallpap		
	Detection	evicesFlow	اللہ DevicesFlo	DfsShIEx. dll	DictationH Class	DockInterfa COM server	🐣 DsmAdmi	😩 EapThirdP	editionupg		
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Then, select the Properties option from the context menu.



In the Properties window, go to the **Security** tab and select the **Customize** option in the **Launch and Activation Permissions** and **Access Permissions** tabs.

ABBYY FineReader 12.5 Engine Loader (Local Server) Pr	? ×
General Location Security Endpoints Identity		
Launch and Activation Permissions		
◯ Use Default		
Customize	Edit	
Access Permissions		
◯ Use Default		
Customize	Edit	
Configuration Permissions		
O Use Default		
Customize	Edit	
Leam more about <u>setting these properties</u> .		
OK Can	cel	Apply

Additionally, in the Launch Activation Permissions, select the **Edit** button and choose the user account that is used by **WEBCON BPS Workflow service**.

Select Users, Computers, Service Accounts, or Group	os X
Select this object type:	
Users, Groups, or Built-in security principals	Object Types
From this location:	
webcon.pl	Locations
Enter the object names to select (<u>examples</u>):	
svc bps (svc.bps@webcon.pl)	Check Names
Advanced	OK Cancel

After clicking **OK**, in the permissions window for the service account user, grant relevant permissions by checking all four options. Save the configuration by clicking the **OK** button.

Launch and Activation Permission	1	?	Х
Security			
Group or user names: SYSTEM Strand InterAcTive Svc bps (svc.bps@webcon.pl)			
Permissions for svc bps	Add	Remove Deny	
			_
Local Launch Remote Launch Local Activation Remote Activation	$\Sigma \Sigma \Sigma$		

Now, grant the permissions in the Access Permissions section using the same procedure.

Access Permission		?	\times
Security			
Group or user names: SELF Syc bps (svc.bps@webcon.pl SYSTEM)		
	Add	Remove	•
Permissions for svc bps	Allow	Deny	
Local Access Remote Access	N N		
	ОК	Can	cel

After returning to the Component Services main window, save changes by clicking on **Apply** or **OK**.

Once you grant the permissions, return to the installer and in the **Database upgrade** step click the **Skip** button. The installation summary will be displayed on the screen. Now, you can close the installer.

License activation

If the ABBYY FineReader 12 license has not been activated during the installation process, you will need to do so afterwards.

Therefore, open the folder where the component has been installed on the server with the ABBYY FineReader 12 license server. By default, this component is installed in the following directory: **C:\Program Files\FineReader 12\Bin64**.

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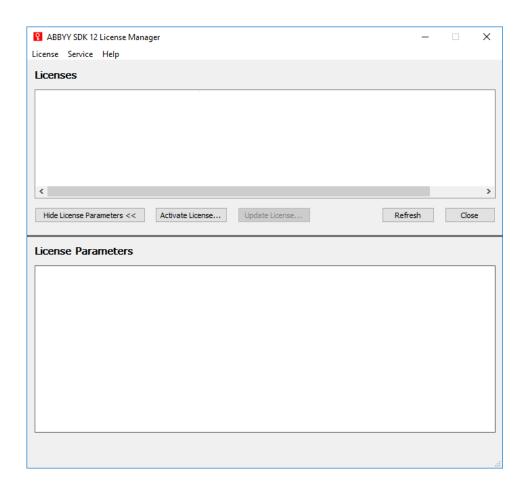
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Run the LicenseManager application.

Click the Activate License... button.



In the next window, enter the license key and proceed to the key activation window following one of the available methods:

- **via the Internet** the activation is performed automatically and takes only a few seconds. This type of activation requires internet connection;
- **by e-mail** a message is displayed, informing that an automatically generated e-mail containing the data required for ABBYY FineReader software activation must be sent to ABBYY. An e-mail will be generated automatically, and in response to it, the activation code will be delivered;

NOTE: Ensure that the subject and content of the e-mail have not been modified, as this may delay the verification and response from the e-mail mechanism.

• **by e-mail from another computer (offline)** – this method is recommended when the license cannot be activated on the computer where the ABBYY FineReader 12 software is installed (e.g. when the computer lacks internet connection or sending e-mails is not possible).

In such a situation, save all the license information in a text file and then create an e-mail on a different computer. In the subject field, enter "Request for activation" and in the recipient field use "FineReader-

activation@abbyy.com". Copy the previously saved information into the email and send it.

After receiving the return message containing the license file, save it to your disk. In the activation wizard window, specify the path to the file;

• **load license file** – the method requires specifying and activating the license file.

If the provided key is correct, the active license will be displayed in the Licenses field.

ABBYY SDK 12 License N	Manager				-		\times
License Service Help							
Licenses							
Serial Number	Functionality	Prot	Installation Type	Expiration Date			
SWAR-1201-00	Runtime Custom			Expires on 23-01-25 01:00			
U	Raname Castom	3010	Network	Expires on 25-01-25 01.00			
						d	
Hide License Parameters <	< Activate L	icense	Update License	Refr	esn	Close	:
1: D i							
License Parameters	5						