

ABBYY Recognition Server 4

What's New

With a strong set of new features, ABBYY Recognition Server offers improved stability, a better user experience and an even higher quality of results.

New Document Processing Scenarios

Feature	Description
Processing Read-Only Archives and Document Libraries	The administrator can set an existing archive folder or SharePoint library as a source of input documents, and the original collection of documents stored there will not be moved, deleted or altered. If the same folder or SharePoint library is defined as the source of input documents and the location for converted documents, files produced by ABBYY Recognition Server (for example, searchable PDF files) can replace the originals, be stored with a new file name or as a new version of the document, according to the preferred settings.
Processing Files by Mask	The administrator can now select types of files (for example only TIFF and JPEG files) or define a mask for names of files that need to be converted. Files that do not conform to the mask can be moved to a different folder, stay in place or be copied directly to the output location. This allows creating searchable archives that completely “mirror” the structure and content of the original archive. The whole variety of documents from the original archive (including images, Word, PowerPoint and Excel files) will be recreated in the output archive; however the static document images will be replaced with their copies in PDF or another searchable format.

Enhanced Integration with Microsoft® SharePoint®

Feature	Description
Converting Images Within SharePoint	ABBYY Recognition Server's integration with SharePoint has been extended beyond simple “capture to SharePoint” capabilities. Now it can process PDF files and images in existing SharePoint libraries and convert them into searchable PDFs, enabling SharePoint to include these documents in the search index.

Enhanced Set of PDF Features

Feature	Description
Smart PDF Processing	To avoid unnecessary processing of already-searchable PDF files (i.e., PDF files containing a text layer), ABBYY Recognition Server can skip such files or intelligently decide which of them need to be reprocessed via OCR. In the latter case, ABBYY Recognition Server detects the text layer in each PDF file, checks its quality and decides whether it should export the original file unaltered or replace the text in it with the newly extracted text. This intelligent algorithm allows PDF files that are already searchable to stay unaltered and shortens the overall conversion time.

System Requirements

Server Manager

- PC with Intel® Pentium®/Celeron®/Xeon™/Core™, AMD K6/Athlon™/Duron™/Sempron™/Opteron™ or compatible processor with a minimum clock speed of 500 MHz
- Operating system: Microsoft® Windows® 8, Windows Server® 2012, Windows Server® 2008 R2 SP1, Windows® 7 SP1, Windows Server® 2008 SP2, Windows Vista® SP2
- Memory: 1 GB RAM
- Hard disk space: 20 MB for installation and 1 GB for program operation*
- Microsoft .NET Framework 2.0 or 4.0 is required for saving files to Microsoft SharePoint Server and using Web API.
- Microsoft Outlook 2000 or later is required for processing and sending e-mail messages via Microsoft Exchange Server
- Microsoft IIS 5.1 or later for using Web API

Processing Station

- PC with Intel Pentium/Celeron/Xeon/Core, AMD K6/Athlon/Duron/Sempron/Opteron or compatible processor with a minimum clock speed of 500 MHz
- Operating system: Microsoft® Windows® 8, Windows Server® 2012, Windows Server® 2008 R2 SP1, Windows® 7 SP1, Windows Server® 2008 SP2, Windows Vista® SP2
- Memory: 512 MB RAM plus an additional 300 MB for each recognition process
- Hard disk space: 600 MB for installation and 1 GB for program operation*

Features

Enhanced Set of PDF Features (Continued)

Feature	Description
Support of Latest PDF/A Standards	In addition to PDF/A-1a and PDF/A-1b standards for long-term archiving of digital documents, ABBYY Recognition Server supports creation of PDF/A-2a, PDF/A-2b and PDF/A-2u files.
Text Injection in Image PDF Files	The new version of ABBYY Recognition Server supports “injection” of a text layer in an image PDF file while preserving the original image quality as well as all properties of the source PDF, such as bookmarks, annotations, metadata and attachments. This is especially useful when converting PDFs to PDF/A format for long-term digital archiving.

Architecture and Administration Enhancements

Feature	Description
Enhanced Robustness	With the addition of an SQLite database and enhanced fault tolerance mechanisms, ABBYY Recognition Server has become even more robust and able to consistently handle high workloads and multiple clients within the same server installation. This makes the software perfectly suitable for extensive document processing projects running in an unattended mode, requiring minimum human involvement.
Enhanced Logging	To make server administration even easier, the log of completed tasks has been enhanced with additional information about each individual processed document. The log retention policy can now be defined based on a time period or file size, providing the system administrator with more flexibility.
Easy User Management via Active Directory	Permissions for tasks such as administration, verification and indexing can now be assigned via Active Directory user groups. Once a user is added to (or removed from) an Active Directory group registered in ABBYY Recognition Server, his or her permissions are automatically updated.
Support for SSL	When sending documents to Recognition Server by e-mail, it is now possible to use SSL protocol for stronger security and data protection.

Enhancements to Operator Stations

Feature	Description
Possibility to Select Documents for Verification or Indexing	The operator can manually pick a document from the verification or indexing queue in order to process it ahead of others.

Other OCR Technology Enhancements

Feature	Description
Improved Recognition of Arabic	According to ABBYY internal tests, the new version of ABBYY Recognition enables up to 20 percent faster recognition of Arabic documents and up to 10 percent better accuracy on office documents and books in Arabic language.
Recognition of Text Printed Sideways	Text printed sideways can now be extracted from documents (for example, construction plans) along with the normal horizontal text.

Learn More at www.ABBYY.com/recognition_server

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