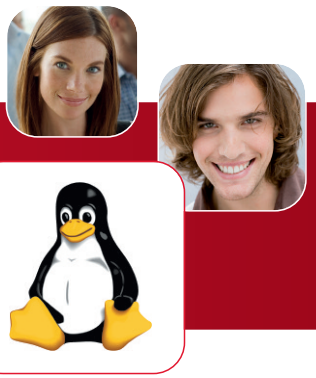
ABBYY®

PRODUCTINFORMATION

ABBYY® FineReader Engine 9.0 for Linux

What's New?



ABBYY FineReader Engine 9.0 Linux is the next generation of ABBYY's award winning OCR technology. With Engine 9.0, ABBYY introduces **Adaptive Document Recognition Technology™ (ADRT™)**. ADRT revolutionises recognition technology by moving from a page-by-page to an entire document-based approach. ADRT analyses a document as a whole. New features and enhancements for ABBYY FineReader Engine 9.0 for Linux include:

New Feature	Description	Benefit
Adaptive Document Recognition Technology (ADRT)	New recognition technology based on an innovative set of document synthesis algorithms. Automatically builds a logical model of the document structure and identifies: • Formatting purpose of elements like headers and footers, footnotes, page numbers etc. • How document elements should be reconstructed ADRT automatically locates, determines and reconstructs various structural parts of the document and formatting of the elements.	ADRT is a major step forward in intelligent, easy to use document recognition. Documents generated by ADRT have consistent formatting across all pages of a document since they are processed as a unit. ADRT preserves integrity with logical relations between elements. For example, during the export to DOC(X) page numbers, headers and footers are automatically formatted and linked in an intelligent way.
Multi-Page Processing through new Document specific API	The new API objects allow you to set up the parameters of page and document synthesis separately. The pages will be processed as a logical unit and not isolated from each other. This approach preserves the logical organisation of the document, retaining not only the original text and columns, but also fonts, styles, etc.	Makes multi page document processing very simple, only 3 steps are needed: Open multiple pages or multi page documents, process and export them.
New 2D barcode types 	New support for additional barcode formats: **Aztec 2D Barcodes** 2 dimensional matrix barcode which can contain up to 3000 characters **Data Matrix 2D Barcodes** 2 dimensional matrix barcode capable of storing and encoding fifty characters in a symbol that is readable at size of 2 or 3 mm^2.The code can be read with only a 20% contrast ratio. **QR Core 2D Barcodes** Next generation format used already in Japan for both image and text data with ability to store URLs which can be read and launched by appropriate software	The different barcode types are already established, for example: • Aztec – often used on tickets by railways for example Deutsche Bahn and Swiss Federal Railways. • Data Matrix – labelling small items such as electronic components, also printed materials such as labels and letters. • QR Core – packaging, product and advertising info, and mobile-based applications. The new 2D barcode support in FineReader Engine 9.0 opens new areas for your applications, like postal environments, ticket or voucher processing applications, document capturing with digital cameras.
New Image pre-processing capabilities	Additional image pre-processing functionalities: • Detection of an image rotation up to 20 degrees • Deskew by horizontal and vertical pairs of black squares • Deskew by horizontal and vertical lines • Deskew by horizontal and vertical lines of text	Better OCR results on skewed images generated during scanning or document capture with a camera.

What's New in ABBYY FineReader Engine 9.0 for Linux

Improved Asian Language OCR Support

New Feature	Description	Benefit
ABBYY Chinese OCR **ABBYY Japanese OCR** **ABBYY Korean OCR**	New ABBYY technology for Chinese, Japanese and Korean languages. Functionality enhancements include enhanced accuracy, faster processing and the ability to combine these hieroglyphic Asian languages with other languages (until now only with English).	High accuracy and faster processing results for Asian documents. New possibility to work with multi-language documents like Chinese – French, Japanese – German etc.

New Export Formats

New Feature	Description	Benefit
XML-based Office 2007 File Formats	Export to new XML-based Microsoft Office formats – DOCX, XLSX and PPTX.	Users can export recognised documents to the new, open, interoperable, robust XML based formats that were introduced in Microsoft Office 2007.
MRC (Mixed Raster Content) Compression for PDF and PDF/A	Export to PDF with MRC compression. Supports the ability to set the MRC compression level. The parameters of compression for background, colour and text mask can be set and modified.	MRC compression achieves significantly better file compression without visible degradation of document representation. Significant reduced file size, up to 10 times smaller compared to JPEG compression. Ideal when colour documents are scanned and processed.

New and Extended Licensing Options

New Feature	Description	Benefit
CPU core based licences	New offer of licences without a page counter – instead pricing is based on the maximum number of CPU cores that can be used. Pricing is based on the maximum number of CPU cores that can be used instead.	CPU licences are often requested in server based processing scenarios.
Maximum Speed Limitation	This new option sets maximum recognition speed limitation on characters per second.	If your business model is based on the maximum speed of the ORC Engine, then the new licensing model is perfect for your needs.

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