

ABBYY® Cloud OCR SDK

The cloud-based document processing service for your applications

Add a new layer of functionality to your company's software systems, online SaaS platforms, or enterprise mobile apps by integrating ABBYY's document processing service ABBYY Cloud OCR SDK. This web-based OCR service empowers your solutions with the ability to convert documents and utilize textual information from scans, PDFs, document images, screenshots, or smartphone photos.

Combining the advantages of ABBYY's latest AI-based Digital Intelligence technologies for information extraction with the highly scalable processing power of the Microsoft® Azure® cloud-computing infrastructure, this secure and reliable ABBYY cloud service can be easily integrated into applications via a REST API, enabling fast, precise conversion of virtually any number of pages within the shortest amount of time.

Why ABBYY Cloud OCR SDK for automated document processing?



OCR FOR 200+ LANGUAGES: ABBYY's premium OCR technologies enable accurate recognition of printed text in more than 200 languages, including Latin languages, Russian, Hebrew, Chinese, Japanese, Korean, Arabic, Farsi, Vietnamese, Thai, and many others.



RECOGNITION OF BARCODES AND OPTICAL MARKS: Recognizes values from most 1D and 2D barcodes with optical barcode recognition (OBR) technologies, and extracts values of optical marks such as checkboxes on surveys or multiple-choice sheets with optical mark recognition (OMR) technologies.



FULL-PAGE AND ZONAL RECOGNITION: Enables processing of entire pages of machine-printed text (full-page OCR) as well as recognition of only specific areas with machine-printed or hand-printed text (zonal OCR/ICR), such as fields on tax documents, medical forms, invoices, or financial reports.



ICR FOR 126 LANGUAGES: Recognizes hand-printed text (intelligent character recognition, or ICR) in 126 languages for accurate recognition of characters entered by hand into claims, questionnaires, or application forms.



DOCUMENT CONVERSION TO SEARCHABLE PDF AND PDF/A: Quickly converts entire document archives into searchable PDF and PDF/A files, utilizing advanced PDF conversion and creation features. Powerful mixed raster content (MRC) compression technology can reduce files to 10% of their original size while preserving their visual quality.



CONVERSION TO MICROSOFT WORD, EXCEL®, POWERPOINT®: Leverages superior layout recognition technologies to precisely recreate the layout of original documents and convert PDF, TIF, JPEG, and other image formats into editable Microsoft Office files with the structure and formatting of the original documents.



DATA EXTRACTION FOR BUSINESS CARDS, RECEIPTS, AND ID DOCUMENTS: Intelligent algorithms can automatically extract field information from specific documents such as business cards or receipts, as well as detect machine-readable zones in ID documents and extract their data.



REST API: The REST software architecture of ABBYY Cloud OCR SDK can be accessed via simple APIs by any application that runs as a client using HTTPS requests.

Use cases

Software-as-a-service (SaaS) systems

Enhance the functionality of SaaS offerings and cloud-based applications such as online storage solutions, web-based customer relationship management (CRM), or document processing systems with high-quality text recognition and document conversion capabilities.

Large digitization projects

Leverage highly scalable processing power to quickly execute document digitization projects that would require significant hardware resources — for example, converting large archives into searchable PDF or PDF/A files.

Mobile information capture

Expand mobile capabilities of your systems. By taking a simple photograph, mobile workers, sales managers, or insurance representatives can easily capture data from business cards and other documents using the cloud service for backend processing, easily overcoming the limited resources of mobile devices.

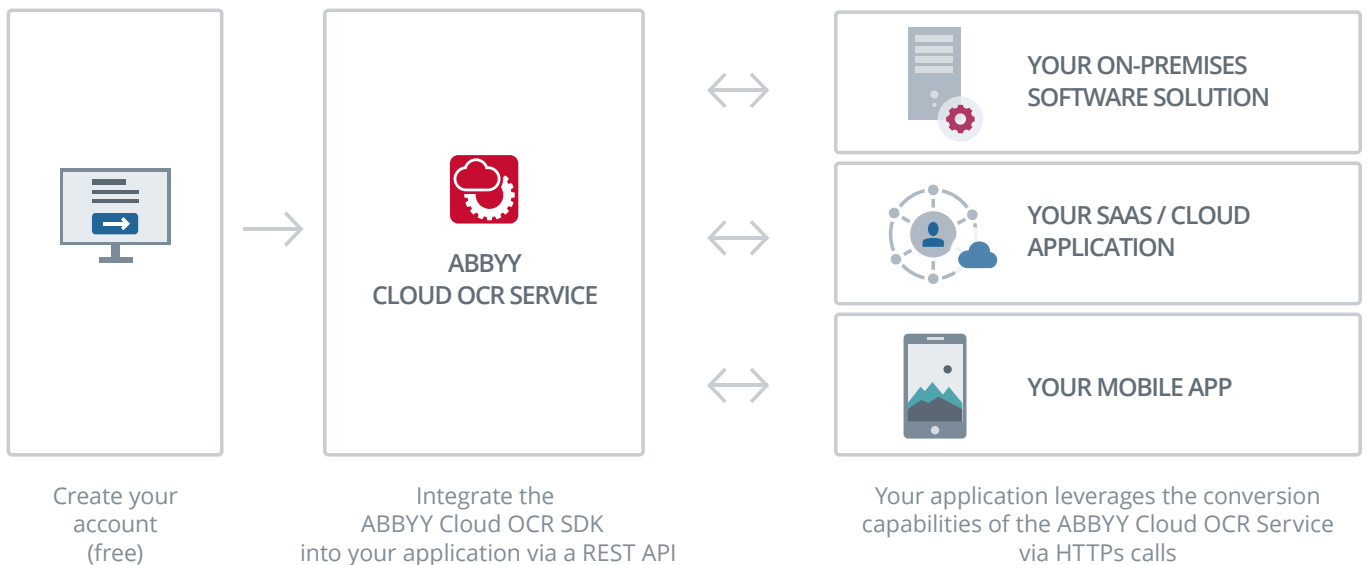
Strongly varying conversion demand

React quickly when providing services where the volume of processed documents might vary considerably. A highly flexible OCR and document processing web service connected to your solution guarantees smooth, steady results, regardless of peaks in demand.

Why integrate a cloud service for document conversion?

- **AGILITY & ZERO MAINTENANCE:** ABBYY keeps the document processing service up to date with its latest Digital Intelligence technologies and optimizes the system for best performance.
- **EASY INTEGRATION:** The service is easily implemented via REST APIs. No worrying about the hardware configuration and scaling algorithms — the OCR service can start serving your applications via HTTPS calls literally within minutes.
- **HIGH AVAILABILITY:** ABBYY Cloud OCR SDK utilizes the highly scalable Microsoft Azure cloud, delivering fast results regardless of the document volume.
- **OPTIMIZATION OF RESOURCES:** Significantly reduced cost for hardware, free access to development sources, payment models based on number of processed pages with no upfront software license cost, and quick deployment allow optimizing company's cash flow and IT resources.

How it works



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