

ABBYY® FlexiCapture®

Transforming Business Documents into Business Value

Remove friction from document-intensive processes

Set up your processes for success with a comprehensive enterprise platform for intelligently processing documents and unstructured content. ABBYY FlexiCapture digitally transforms the way you handle the data that fuels your processes — from all incoming channels. Even when information arrives in completely unstructured formats, ABBYY FlexiCapture provides the most comprehensive, robust, and technologically advanced platform for automatically identifying and transforming the content that's locked within your business documents into process-ready information.

Fuel your business processes with accurate data, no matter the source

Enterprise automation starts with a comprehensive platform for acquiring, processing, validating, and delivering the right data into critical processes. In today's digital enterprise, providing OCR, NLP, ML, and all other necessary capabilities is not enough. An intelligent platform is needed to orchestrate and perform these capabilities for the business processes they enable.

ABBYY FlexiCapture is an intelligent document processing platform built for the needs of today's complex digital enterprise. FlexiCapture brings together the best NLP, machine learning, and advanced recognition capabilities onto a single, enterprise-scale platform to handle every type of document — from simple forms to complex, free-form documents — and every job size, from ad hoc single documents to large batch jobs requiring tough SLAs. Orchestrating the process from acquisition to delivery, ABBYY FlexiCapture feeds content-driven business applications such as RPA and BPM, helping organizations focus on customer service, cost reduction, compliance, and competitive advantage.



Faster, straight-through processing

Content from documents entering through any channel, in any format, is automatically extracted, understood, and delivered, removing manual processing friction.



Smooth transactions, smart decisions, rapid action

Leverage customer-provided data to accelerate transactions, make smarter decisions, and provide quick, accurate responses to your customers.



Control, predictability, and compliance

Gain full chain-of-custody reporting and management for fine-tuning of results, while ensuring end-to-end compliance with your process and security models.

Key new features



Ready-to-use solutions for receipts and purchase orders

Streamline expense management with ready-to-use purchase order and receipts projects — Invoices, POs, and receipts can now be processed in one document flow. Built on the same principles used for invoice processing, the solution now provides out-of-the box extraction of main fields, with the possibility to add more fields, pretrained or trained on user side.

Intelligent capture and Natural Language Processing

While capture products and technologies traditionally focus on processing structured documents, such as tax forms, and semi-structured documents, such as invoices and bills of lading, the newest release of FlexiCapture includes Natural Language Processing (NLP), extending its capture capabilities to now include unstructured documents such as contracts, leases, articles, agreements, and email. With NLP technology, you can automate more of your business processes that require manual data entry and quickly make important document data available in your business applications to save time, money, and labor.



Scalability and enhanced performance

FlexiCapture can be scaled both vertically and horizontally when deployed to support high volume and fast document processing scenarios. Whether you need to process more than 3 million documents per day or 2,000 pages per minute, the architecture of FlexiCapture can grow to meet your processing requirements. You can control multi-server installations, distributed infrastructure, and operators via centralized configuration and management.

Advanced document classification

Inbound communication can be classified by form and content to optimize your organization's information-driven processes. Classification technology detects every incoming document type, including images, by using deep learning convolutional neural networks to sort documents by appearance or pattern and text classification, which relies on statistical and semantic text analysis. ABBYY FlexiCapture allows users to use any of these technologies separately or to take advantage of both simultaneously to deliver faster response times and prompt decision making.



Auto-learning

New auto-learning capabilities help accelerate your time to production and significantly reduce ongoing system support and maintenance costs. This technology helps users train the system to process flexible or irregular document layouts while the administrator retains full control to edit, fine-tune, or discard auto-learning results. The system continuously learns and improves based on feedback from users by leveraging ABBYY advanced machine learning and Natural Language Processing.

Image enhancement

ABBYY Image Enhancement automatically improves images captured by mobile devices to optimize processing. It is also indispensable for processing documents with complex backgrounds like transcripts, identification documents, and transportation forms, while automatically optimizing the image for processing or providing immediate feedback if image quality is poor. Features such as auto-crop, background whitening, image quality assessment, and capability to create custom enhancement profiles for different image sources help process all documents regardless of their quality or source.



Advanced reporting and analytics tools

Get valuable insights into your process performance and more granularity with drilldown to the specified business rules. Reports show how many documents are processed and verified. Spot potential areas for improvement by tracking resources and duration to your processes. Continuously improve quality as the system trains with autolearning.

Multi-level data protection

Various confidential data within documents can be hidden using different methods during exchange and verification by operators with different access rights. HTTPs provides bidirectional encryption between a user and a server to protect against data interception and tampering attacks.

Single solution for all document types

By using sophisticated document analysis, FlexiCapture is able to detect the exact type of paper or digital documents (spreadsheets, images, logos, etc.) and different areas within a document, even when text appears unreadable. Word documents, Excel spreadsheets, PDF files, email bodies, scanned images, and other digital documents can be processed in the same flow.



Flexible customization and integration

FlexiCapture Web API and customization scripts enable the development of custom solutions, support specific business scenarios, and ensure easy integration into enterprise workflows. Ready out-of-the-box connectors for a growing list of RPA, BPM, ECM, ERP, and CRM systems meet the requirements for customized business processes, tailored processing stages, and routing to boost specific customer tasks.

Smoothly integrate into the business environment and processes by exporting data as a JSON file or connect to Exchange 365 via MS GRAPH Rest API. Leverage a secure connection to transfer files through both the local and remote system with safe import files using SFTP server.

Key usage scenarios

TAX/VAT and Education forms processing

Transform streams of forms and documents of any structure and complexity into business-ready data.

Case management for Mortgage & Insurance

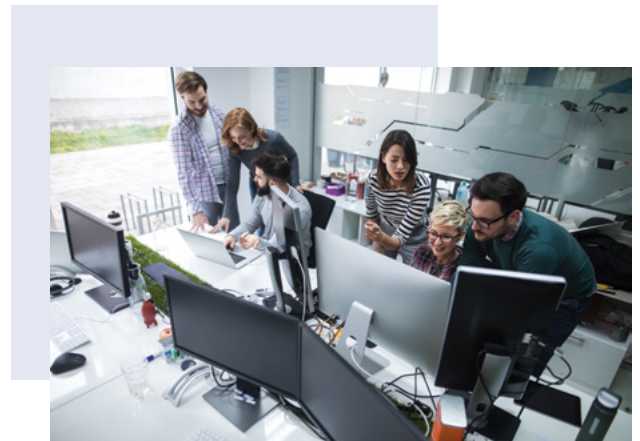
Automation of the customer onboarding process enables banks to increase the efficiency of applications management and facilitates improved customer service.

Unstructured documents/contract processing

Process unstructured documents such as contracts, leases, articles, and agreements, and automatically convert them into structured data that's available to business applications, reducing administrative tasks and enhancing transparency.

Expense management

Facilitate and automate business expense entry, streamline approval process, and reduce administrative effort. Expense management enables full visibility and tracking employee use of business financial resources.



Proof of delivery

Increase the efficiency of document flows with capture and submission of delivery receipts and signed bills of lading.

Accounts Receivable & Order Processing

Improve every aspect of check capture, check scanning, and other key AR processes in a way that minimizes manual input and keeps operational costs to a minimum.

Invoice processing for Accounts Payable

Automated invoice processing and booking in an ERP system saves costs and delivers a quick ROI.

Addressing industry-specific needs



Banking and Finance

Improve customer service and liquidity and compete for new clients by automating manual paperwork in bank account opening, credit card application processing, loan origination, and other processes.

Legal

Process and manage a wide variety of legal documents, including pleadings, application forms, contracts, benefit enrollment forms, correspondence, and more.

Transportation

Automatically process documents such as bills of lading, delivery receipts, commercial invoices, and claim forms to convey business-critical information.

BPO

Perfect for document processing service providers (DPSPs) who focus on a single business need or business process outsource providers who support end-to-end business processes.

Education

Efficiently manage documents including tests, examinations, reports, transcripts, letters of reference, etc.

Insurance

Automate and accelerate processing of high volumes of various document types, including insurance claim and benefit forms and policy agreements.

Government

Achieve the highest levels of security, reliability, scalability, and efficiency by automating processing of correspondence, contracts, surveys, census forms, voting ballots, pension cards, tax declarations, social applications, etc.

Healthcare

Reduce labor-intensive work and increase efficiency of document processing, including patient records and medical prescription forms.

Solutions that add value to business processes

ABBYY data capture and document processing solutions smoothly integrate into hundreds of RPA, BPM, ECM, ERP, and CRM systems. Robust and fully customizable, they will quickly become a highly functional and integral part of corporate business processes and IT environment.

FlexiCapture's robust APIs and progressive scripting enable tight integration with any systems of record and engagement. Default connectors for UiPath®, Laserfiche®, BluePrism®, M-Files®, Appian, Pega®, Automation Anywhere®, NX Manager are also available.

Specifications

Software maintenance, training, and professional services

To secure the success of your products, ABBYY offers additional support, training, and education programs for all its products. If you would like professional support or consulting, please contact us.

Server specifications

System requirements

- CPU: Application server: 2 GHz or faster with 2 cores; other servers: 2 GHz or faster
- Operating system: Windows Server 2019, 2016, 2012 R2, 2012, 2008 R2 SP1
- Memory: At least 2 GB for each component (Note: additional 4 GB RAM required if Database Server is installed)

Disk space

Application server: 500 MB for installation; processing server: 400 MB for installation; licensing server: 100 MB for installation; 2 GB for SQL server database; additional space required for file storage

Browser

Google Chrome 55 or later (32-bit); Internet Explorer 11; Mozilla Firefox 50 or later (32-bit); Microsoft Edge 41 or later (Note: ABBYY FlexiCapture works best with Google Chrome and other Chromium-based browsers.)

Station specifications

System requirements

- CPU: Application server: 2 GHz or faster
- Operating system: Windows Server 2019 + Desktop Experience, 2016 + Desktop Experience, 2012 R2 + Desktop Experience, 2012 + Desktop Experience, 7 SP1, 8.1, 10 (Note: To use a localized version of ABBYY FlexiCapture, make sure your operating system supports the corresponding GUI language.)
- Memory: Project Setup Station, Verification Station, Data Verification Station: 2 GB; Processing Station: 512 MB for each CPU core, but at least 1 GB; Scanning Station: 1 GB

Disk space

Scanning Station: 1 GB (including 200 MB for installation and sufficient disk space for scanned images); other stations: 4 GB (including 2 GB for installation)

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