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ABBYY®

ABBYY® FlexiCapture® | What's New
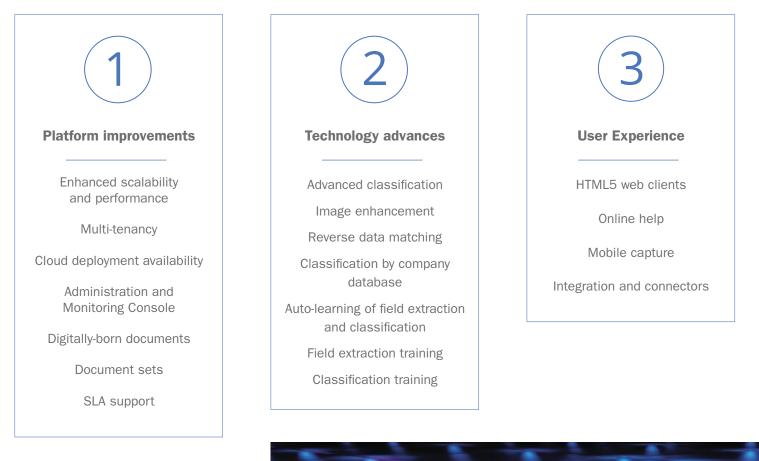
ABBYY FlexiCapture is an intelligent enterprise capture platform for building and running document-centric business applications. FlexiCapture enables organizations to automate classification, extraction and validation of business content from incoming customer communications and operational processes and then direct business critical data for smarter, faster decisions.

ABBYY FlexiCapture 12 includes the following key enhancements

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ABBYY FlexiCapture

PLATFORM IMPROVEMENTS

Enhanced scalability and performance

FlexiCapture can be scaled both vertically and horizontally to support handling and processing millions of documents per day without compromising speed or accuracy. Centralised configuration and management is available for small, medium and large-scale enterprise or cloud deployments with distributed infrastructure. Multi-server installation ensures redundancy and allows variable scalability and security settings.

Multi-tenancy

FlexiCapture allows several different groups of users to work independently within the system without accessing each other's data and configuration parameters. This makes it possible to maintain data security among the different departments of a large corporation or different clients of a BPO while still managing only a single software installation. You also benefit from aggregate reports on system performance and centralized maintenance.

The native multi-tenant architecture is capable of providing public and private cloud-based deployments. This reduces time to market and opens up new opportunities for small and medium sized organizations, who no longer need to invest in infrastructure or on-going administrative costs to access powerful capabilities.

Cloud deployment availabilty

The platform can bring intelligent data capture to any cloud- and browser-based back-end enterprise software via FlexiCapture Cloud using HTML5 Web-based responsive UI. It allows more flexibility into business processes while eliminating capital hardware, software maintenance and deployment costs.

Administration and Monitoring Console

The Administration and Monitoring Console is now available on HTML5 with a new user interface and new functionality. Multi-level administration, automatic notifications for critical failures or imminent database overflow, and comprehensive reporting help provide better business process continuity, visibility, and optimization.

Processing of digitally born documents

FlexiCapture processes Microsoft Office® documents, PDFs, e-mail bodies with attachments and other digitally created documents in the same workflow as scanned images. There is no need to separate images from text formats. To achieve high quality of data, FlexiCapture uses the text layer of digitally born documents for data extraction.

Document sets

Many business processes use documents that are interrelated because they serve a common purpose. In FlexiCapture, multiple linked documents can be grouped together into document sets and be processed as one complete case file. This enables you to validate case data directly instead of document data and improves efficiency in complex case management scenarios like customer on-boarding, mortgage application and insurance report processing and claims management. These scenarios imply not only document recognition, but also the need to check if all required documents have been provided (completeness check) and that all of them belong to the same case (continuity check).

Service Level Agreement (SLA) monitoring and enforcement

FlexiCapture now provides a mechanism for document processing prioritization and resource control to achieve required service levels. Advanced system monitoring and reporting tools help analyze the document processing flow and ensure correct prioritization. You have the option of specifying expiration times for different batch types, and automatically prioritize and monitor batches that are about to expire. When a batch nears its expiration time, its priority rises automatically, and the batch and its tasks are moved to the front of the processing queue. The system also displays to operators which bathes should be processed first.

TECHNOLOGY ADVANCES

Advanced classification

Advanced classification technology automates the processing and routing of incoming structured, semi-structured and unstructured documents. FlexiCapture now leverages three classification technologies - image-based, text-based and rule-based - that can be combined into a hierarchical system and intelligent voting mechanism to choosing the best possible result. The new technology delivers optimal straight-through processing performance, enhances accuracy and reduces manual review.

Image enhancement

Image Enhancement automatically impoves images captured from mobile devices to optimize processing. It is also valuable for processing documents with complex backgrounds like identification cards and insurance polices, and it provides 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.

Reverse data matching

Reverse data matching allows a supervisor to verify that extracted data exists in the scanned documents after manual processing. FlexiCapture compares manually processed data from the system with data on the document images by transferring document input parameters to the FlexiLayout® and alerts the user if something is not matched.

Classification by company database

Classification by database allows classifying documents like orders, bill of landing, bank statements, etc, by companies that issued the document. This is very important for auto-learning document field location options, which significantly improves the field extraction accuracy by accumulation and analyzing different layout variants.

Auto-learning of field extraction and classification

Machine learning enables a continuous improvement in the live business process and application environment. It significantly boosts on-going performance while reducing the need for offline maintenance, system downtime and costly professional services.

Field extraction training

Machine learning is applied in the setup and in the live process environment (learning on the fly) through intuitive "point-and-learn" user guidance. With just a couple of clicks on a document, you show the program which data you would like to extract. This nearly replaces the creation of FlexiLayouts and allows you to start field extraction much faster.

Classification training

FlexiCapture applies machine-learning algorithms to automatically identify and use the most relevant features from a set of training documents, such as sample inputs, to build the classification model. The system automatically determines which features within a small (>= 10) set of pre-labelled sample documents characterise each document type. During the machine-learning phase, the system automatically tests multiple algorithms and selects the best-performing model and classification parameters for each document set.

USER EXPERIENCE

HTML5 Web Stations

HTML5-based Web Capture, Web Scanning and Web Verification Stations provide cross-browser compatibility and easy access to operator tasks from any place without installation. HTML5 comes with various (URL-based) APIs that allow creating a better user experience and building modern web elements into any site. Web Verification and Scanning Stations can be integrated into a third-party system via single sign-on technology (using Active Directory® or SAML 2.0). Web Capture Station allows one user to scan or upload images from the folder, enhance the image if needed, extract the data, verify the results and export extracted data to the SRM/ERP system for storage or further processing.

Online help

All information from the offine documentation is now available online in English. Online help is updated more frequently than the ofline documentation and provide the most resent updates. To access online help, visit http://help.abbyy.com.

Mobile capture

ABBYY FlexiCapture Mobile Client provides image input directly from mobile devices to FlexiCapture. You can take pictures of single- or multi-page documents with your mobile device, assign document type and provide any additional information of documents and push these image(s) to FlexiCapture platform for processing. The Mobile Client is available for both iOS® and Android® operating systems.

Integration and connectors

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

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If you have additional questions, call Inpute on +353 1 5175105 or email solutions@inpute.com