DocFlows

OUR SOLUTION

Many businesses still receive unstructured documents in their purchase-to-pay automation process. Documents, such as invoices, are printed out on paper and sent via regular postal services or sent as PDF attachments in e-mails.

Either way is not efficient because both structured and validated data are needed to import these documents into ERP-systems. So, these documents must be processed, converted to a structured version.

Today, most commonly used solutions rely on OCR-technology or pseudo manual retyping effort.
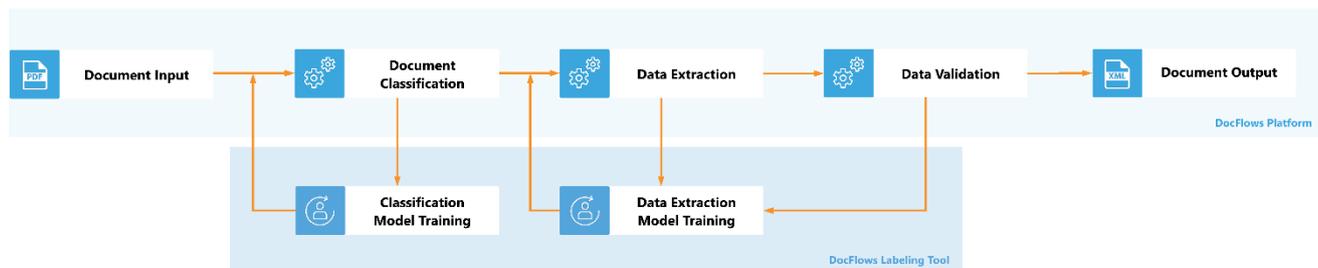
The first category is known for fast processing but tedious, inaccurate, and requires human intervention to create templates. By definition, Optical Character Recognition (OCR) is the technology that allows machines to scan printed or handwritten documents, PDFs, images taken by a camera, and convert image data into editable text formats automatically for further processing.

Current OCR systems provide a partial solution to some manual data capture issues, but they also create new ones. Human operators must write rules and templates for every invoice layout, making maintenance a never-ending task.

Secondly, retyping provides better overall accurate results, but the process is much slower because it requires human effort, it's way more expensive than OCR, and it's difficult to scale up because this requires additional trained staff.

KEY BENEFITS

- **Fast, scalable infrastructure**

DocFlows runs on a high performance, highly scalable Kubernetes platform. We guarantee document processing with seconds.

- **Affordable**

DocFlows uses a transactional model.

- **Reliable**

Because DocFlows validates against a predefined XML schema, you can rely on result to be compliant.

- **Interoperable**

Converting documents to structured files provides basic data for further in depth analysis.

Today D Soft introduces DocFlows, a new approach to solve the problem, a solution that combines the best of both worlds. It's fast, scalable, affordable, and does not require any manual input from the customer. Unlike traditional OCR systems, DocFlows does not require templates.

Because the system is document-structure agnostic and relies on machine-learning technology, it delivers increasingly accurate results with continued use.

Our goal is to provide a fully hands-off document processing service. D Soft trains DocFlows for your specific market and type of documents. You provide us with samples, we train the model. DocFlows is fully integrated with DocTrails. First, we set up DocTrails, then we configure the input channels for your documents to be processed with DocFlows.

DOCFLOWS IS A THREE-STEP PROCESS

DocFlows relies on Machine Learning technology and custom built-in logic. Every step of the process is governed by confidence scores. DocFlows selects the candidate with the highest score and learns from that process.

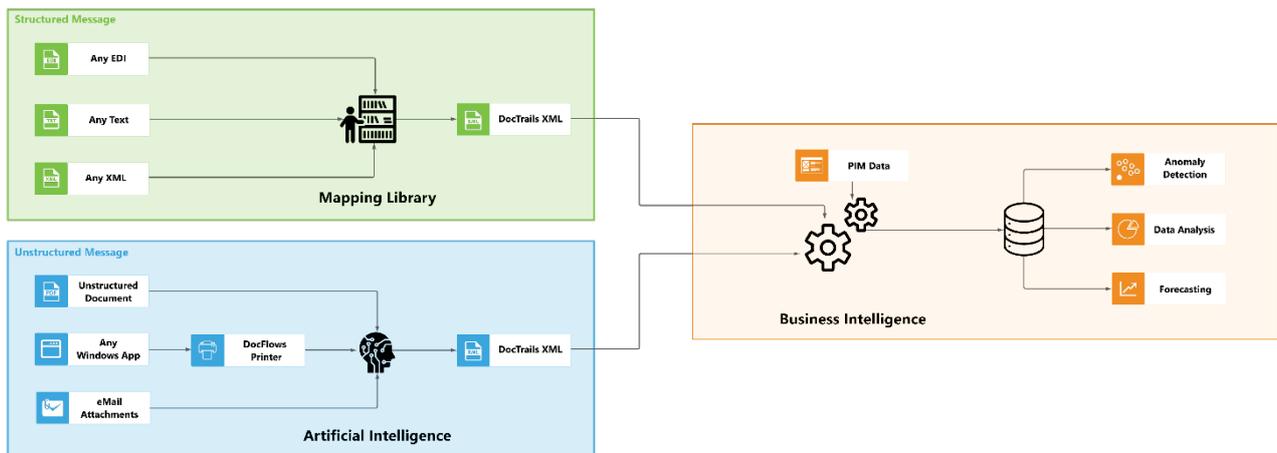| Step 1	Step 2	Step 3
First, an incoming document is Classified. During this step, DocFlows uses its built-in Machine Learning algorithms to determine Sender and Receiver. For new Senders, DocFlows requires 5 similar documents to train its models.	Secondly, DocFlows will extract data from the document transform it into a structured document based upon the Labeled data stored in models.	Finally, DocFlows will evaluate the result based on the structured required output. DocFlows calculates line-item integrity, VAT totals, and much more.

INPUT / OUTPUT CHANNELS

Web Portal
Using the web portal, users can configure document flows.

E-mail
Certainly, the simplest way to get up and running with DocFlows, just scan your documents and forward them to your DocFlows e-mail address.

Cloud Sharing Platform
Simply link DocFlows with your favorite Cloud Sharing Platform account and start processing PDF documents right away.

DocFlows Connector
When installed, DocFlows Connector will monitor a folder on your system for incoming PDF files, process them, and put the result back in another folder.

sFTP
Legacy environments might prefer to use old-school File Transfer Protocol. Upload your documents to your DocFlows sFTP account and DocFlows return the result in another folder.

DocFlows PrinterDriver
For easy communication with DocFlows choose our DocFlows PrinterDriver. Download it from the Windows Store, install it and send your document to DocFlows from within any Windows App.