UiPath Developers' Conference

UiPath's Extensibility Features: Increasing the scope of automation with ABBYY

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Objectives For Today

Understand the different business cases where ABBYY can be a big differentiator **See** integration examples between UiPath and ABBYY

Learn the capabilities and limitations of ABBYY's product suite **Discover** the future roadmap created by UiPath and ABBYY

ABBYY in 30 seconds



Thousands of businesses worldwide rely on ABBYY for converting unstructured data into structured information.



ABBYY sets the global standard in document recognition, content-capture and language based technologies and solutions that integrate across the information lifecycle



ABBYY's innovative Intelligent Capture technology, products solutions and services are delivered in multiple platforms – cloud, mobile, desktop, server or SDK



30.000+ corporate clients, 40M+ users

Technology innovator with 600+ developers and 100+ patents

200+ countries and territories covered

ABBYY's Product suite

OCR, PDF, Text Scanning Software and Solutions

FlexiCapture

FlexiCapture is a highly scalable and universal enterprise capture platform that enables organisations to automatically classify, extract, validate and direct business critical data from incoming customer communications and operational processes – such as customer requests, queries and transactions.

FineReader

FineReader is an optical character recognition (OCR) application.

The software allows the conversion of image documents (photos, scans, PDF files) into editable electronic formats.

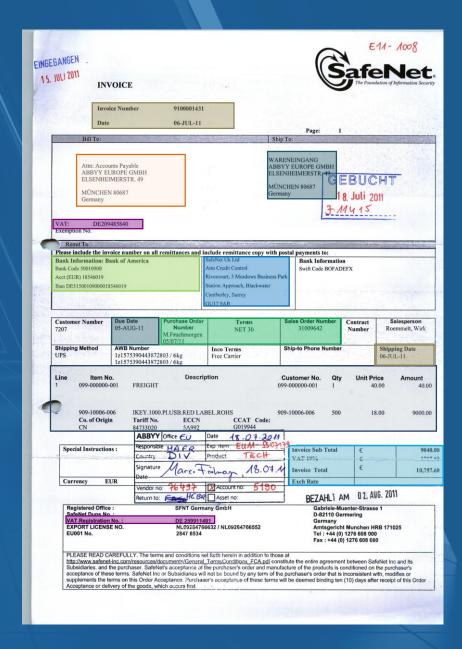
Distributed as SDK for easy integration with UiPath robots.

Compreno suite

Compreno is the unique technology of natural language texts processing. Due to over 15+ years of linguistic research, ABBYY has developed the innovative approach to text analysis. That allows to get to the meaning of the text and bring machine analysis a step closer to human text processing.

FlexiCapture capabilities

- Name and address of the business unit
- Name and supplier address (Vendor Recognition)
- VAT-ID of supplier and business unit
- Invoice date, number and delivery date (rule-based, country support)
- Order data (Purchaser, Orderno.)
- Line item data, description, unit amount, tax, unit price and total price
- Currency, net value, tax value and rate, total
- Bank details
- Delivery address, due date (if available)



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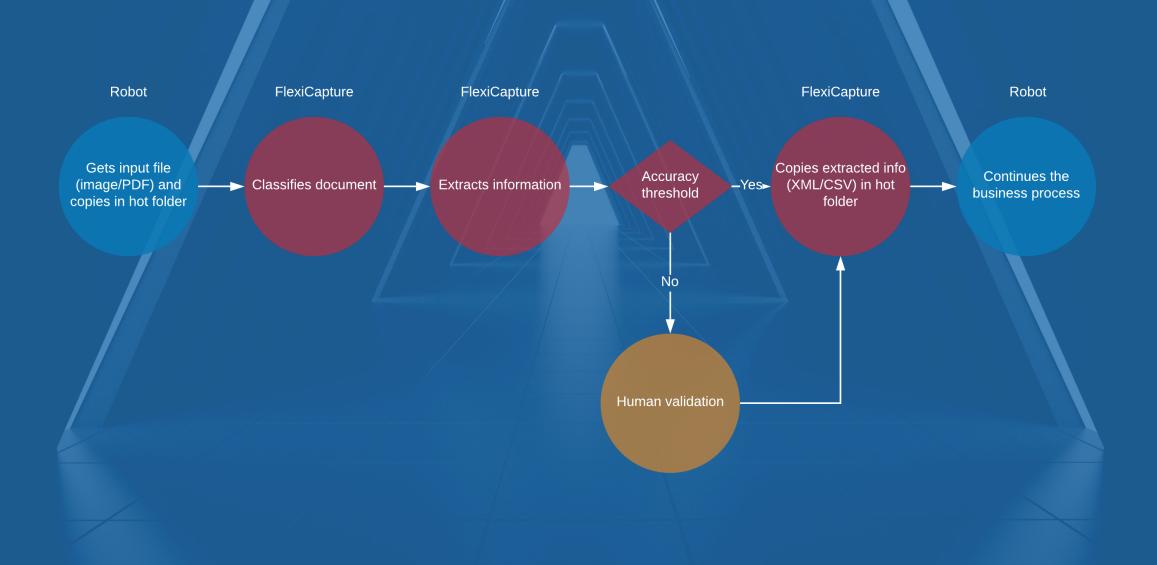
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FlexiCapture in action

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Integration Workflow



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UiPath's NEW Abbyy FlexiCapture activities package Addressing RPA's unstructured data inputs problem



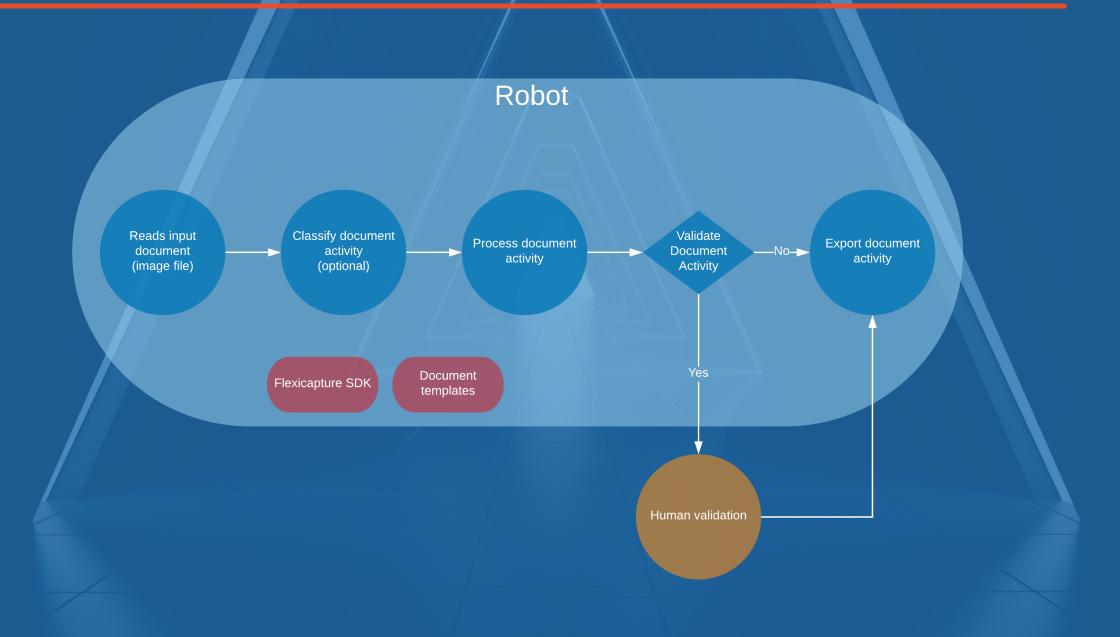


Extraction





Integration Workflow



Activities for processing documents

From an image to a structure that you can navigate through

ClassifyDocument

classifies an input document (image file), based on an classifier file or a collection of template files

Input

DefinitionFiles (IEnumerable<String>) ClassifierFile (String) SourceDocument (String)

> Output Result (String)

ProcessDocument

processes an input document (image file) based on a collection of template files, resulting in recognized data

ValidateDocument

user validation

Input

DefinitionFiles (IEnumerable<String>) Document (String)

Output Result (FlexiCaptureDocument) **Input** Document (FlexiCaptureDocument)

Output Result (FlexiCaptureDocument)

Activities for extracting specific data

From a document structure to the fields that you need

GetTable

extracts a table from the FlexiCapture documen

Input

Document (FlexiCaptureDocument) Name (String)

Output Result (DataTable)

GetField

extracts a field from the FlexiCapture document

Input

Document (FlexiCaptureDocument) Name (String) : field name FullName (String)

> **Output** Result (FlexiCaptureField)

Exporting document data

Providing access to the data that you need in your favorite format



ExportDocument

Exports a doc in a specific format

Input

Document (FlexiCaptureDocument) ExportFormat (enum, currently XML/CSV/XLS/JSON) File (string): export file

Output

Result (ExportedDocument)

Classes in the FlexiCapture package

New custom entities to support our activities

FlexiCaptureDocument

an intenal class wrapping a FlexiCapture document; can be serialized/deserialized

Input Data (byte[])

Confidence (int)

Output Result (String) FlexiCaptureField

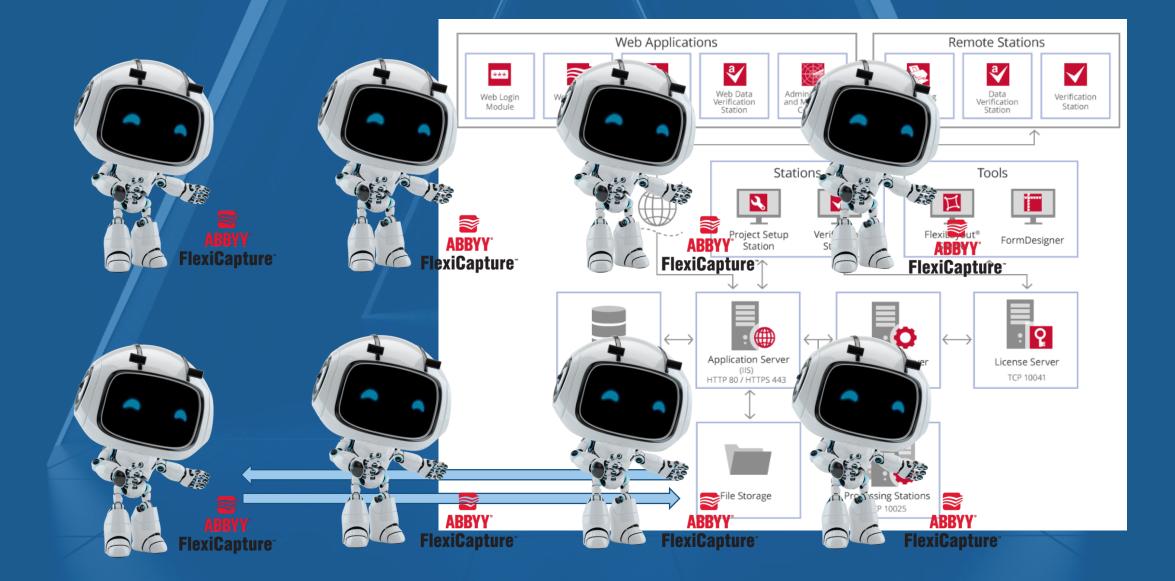
an intenal class representing field information

Input

Value (string) Type (enum) Confidence (int)

Output Result (FlexiCaptureDocument)

Benefits of UiPath FlexyCapture activities Easy deployment & configuration, out of the box redundancy



Business cases for FlexiCapture

Finance Invoice & receipt processing Manufacturing Parts requests from customers

HR CV scanning and entering candidate data into main system Healthcare Automatic processing of patient information on paper

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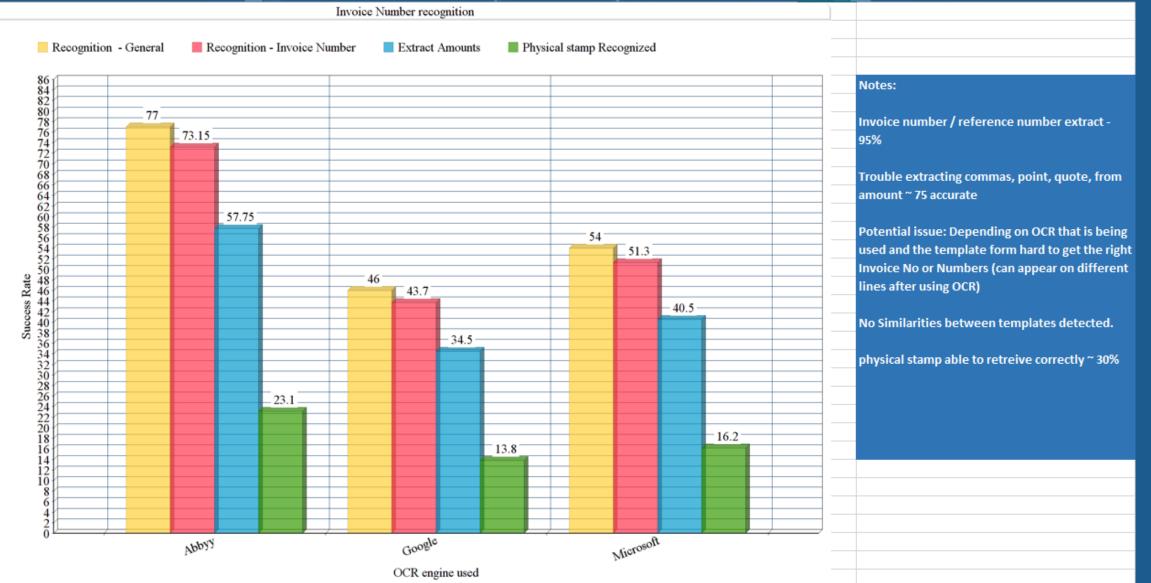
FineReader OCR engine

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OCR data extraction on invoices

500 documents batch, 20 languages, 24 suppliers



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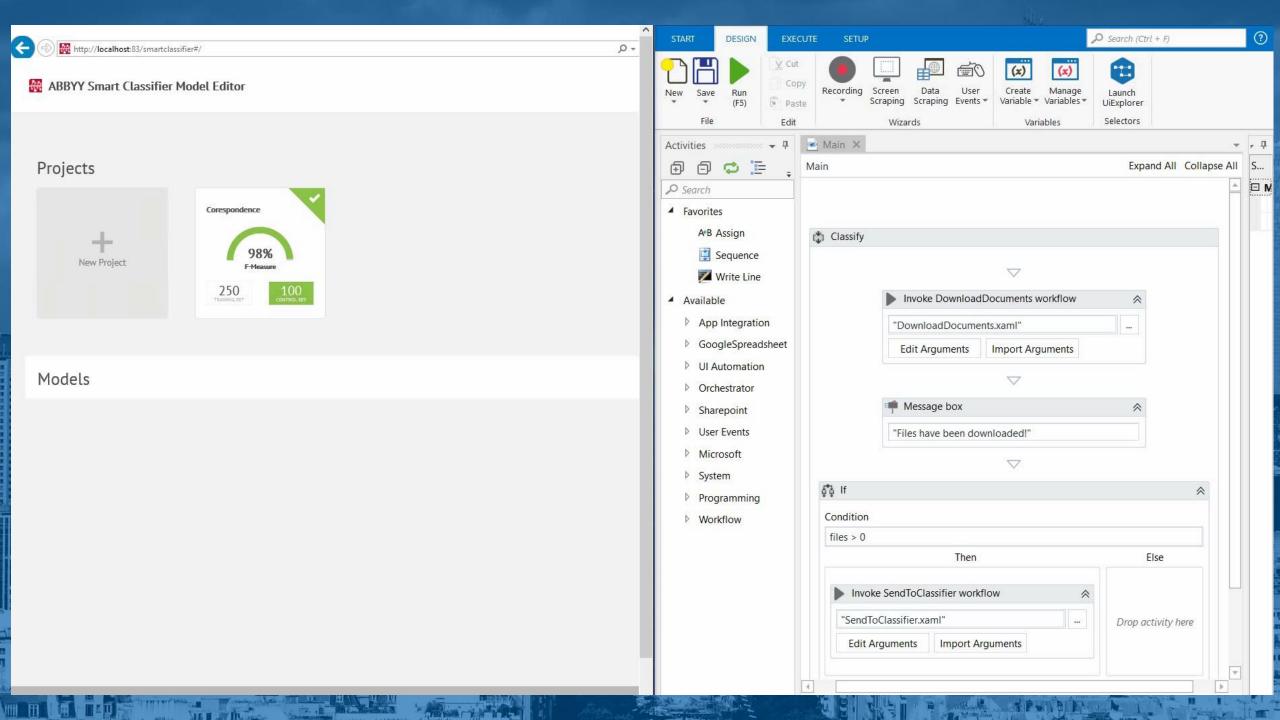
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SmartClassifier

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InfoExtractor

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InfoExtractor

Uses knowledge of language to locate and understand written data. Assisting human review or replacing it entirely.

Validation

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Lessor		
the State of Texas and the Board for Lease of University Lands	×	 Image: A start of the start of

Lessee		
William A. Chalfant	×	1

Lessee's Address

P.O. Box 3123, Midland, Texas 79702

n this 10 th day of May, A.D. 1994, by and between the State Lands, acting by and through Garry Mauro, the gnated as Lessor, under authority and by virtue of the Education Code, as amended, and subject to such rules and Lease of University lands and pursuant to the award made n A. Chalfant P.O. Box 3123, Midland, Texas 79702

on of the payment by Lessee of the sum of \$25,076.76 the yalties, covenants, stipulations, and conditions contained,



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Future steps

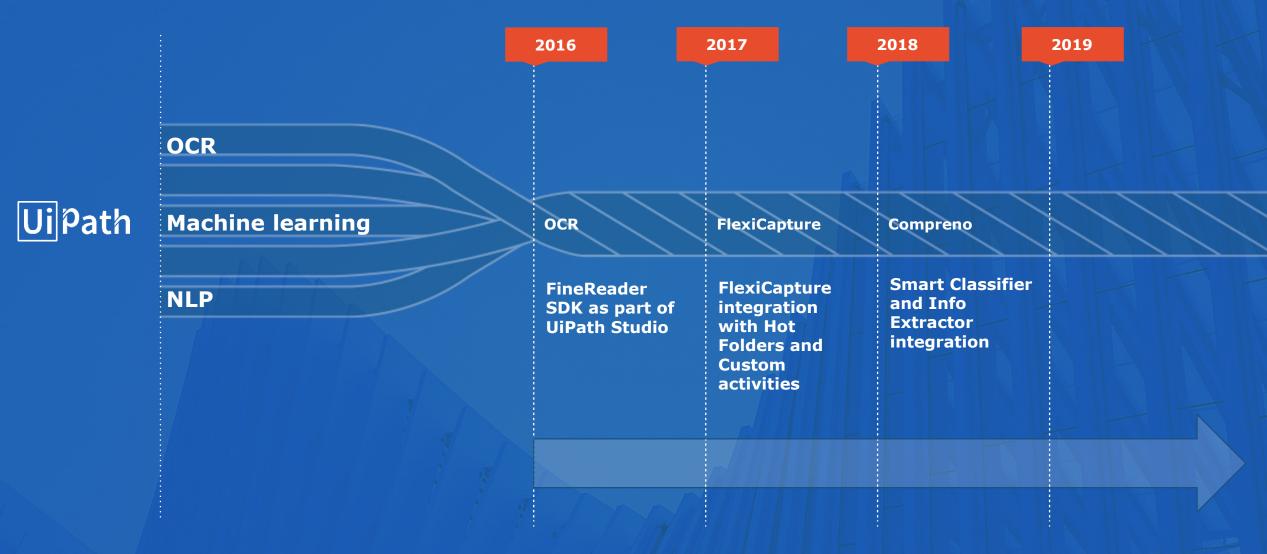
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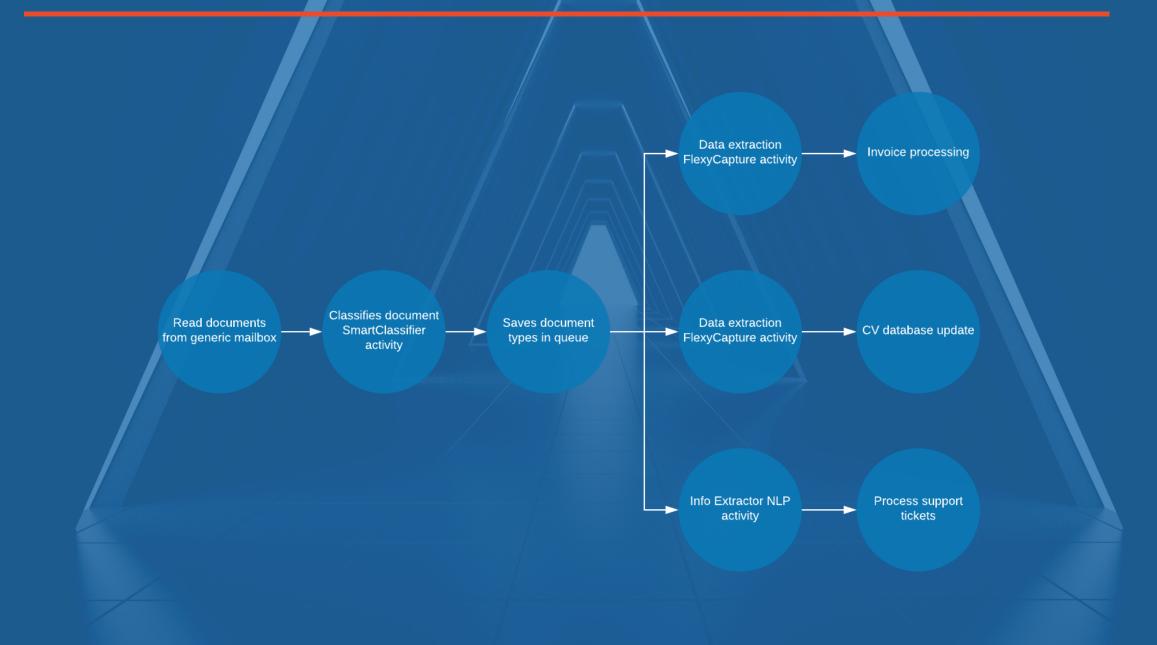
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The UiPath & ABBYY roadmap



Future Workflow



Actual business case - insurance

Intelligent Automation?

