UiPath™ Document Understanding

Get documents processed intelligently

UiPath Document Understanding combines robotic process automation (RPA) and **artificial intelligence (AI)** to help you extract and interpret data from different documents and ensure end-to-end document processing. The tool works with a **wide range of documents** from structured to unstructured, recognizes different objects like **tables, handwriting, signatures, or checkboxes**, and can deal with **various file formats**.

Benefits

Fast, accurate, and flexible document processing with AI

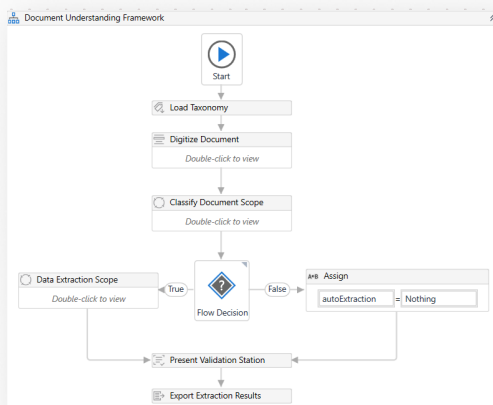Built to process various document types

Out-of-the-box AI solutions

Accuracy improving over time

End-to-end automation of complex processes

What features are included?

Composable Document Understanding framework

Document Understanding provides a composable framework of **drag-and-drop activities** used to build end-to-end workflows **in Studio**. This way UiPath RPA platform enables automation of more complex and cognitive processes involving high volumes of documents.
In addition to the native capabilities, you can **bring your own models** or incorporate **leading partner solutions** extending the framework to diverse document types and business needs.

Data extraction: from regular expressions to AI to a hybrid approach

Extractors based on **rules, anchors, and intelligent templates** perfectly handle documents with fixed structure, tables, handwriting, signatures, checkboxes.
Pre-trained machine learning (ML) models can process less structured documents with minimal configuration time. Finally, you can combine any extractors in a **hybrid approach** to ensure the highest accuracy for your custom business documents.

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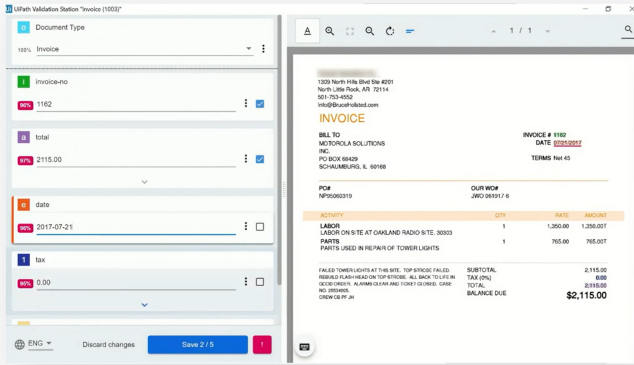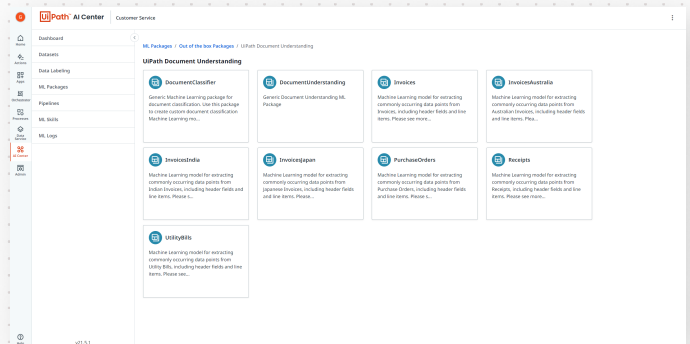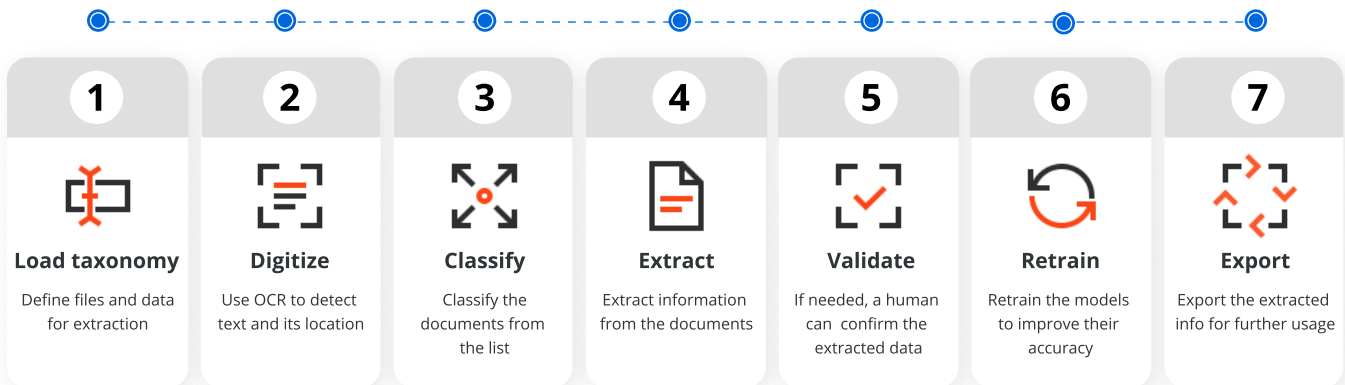## Human validation

In the case of any inaccuracies, low confidence scores, or exceptions, robots ask for help to confirm the data. An employee receives a notification and opens **Validation Station** or **Classification Station** to **validate data** and **handle exceptions** in the extraction or classification results. Here you can also review all the extracted fields if needed to make sure the data is processed accurately.

Retraining capabilities

You can label documents in Data Manager and **retrain ML models in AI Center** to help robots understand the specificities of your documents. Similarly, the models can be **retrained automatically based on the human input** in the Validation Station and Classification Station. This means that the more you work with the model, the more effective it becomes. Thus, the accuracy of the output improves over time.

How does it work?

1	2	3	4	5	6	7
Load taxonomy	**Digitize**	**Classify**	**Extract**	**Validate**	**Retrain**	**Export**
Define files and data for extraction	Use OCR to detect text and its location	Classify the documents from the list	Extract information from the documents	If needed, a human can confirm the extracted data	Retrain the models to improve their accuracy	Export the extracted info for further usage

Automate document processing with intelligence, speed, and scale

Sign up for the Enterprise Cloud trial to leverage UiPath Document Understanding for your business challenges
https://www.uipath.com/start-trial

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