

# Ui 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

Teach robots to understand documents using **AI skills** for data extraction and interpretation



Accurate and flexible document processing



Mitigated risk of human error



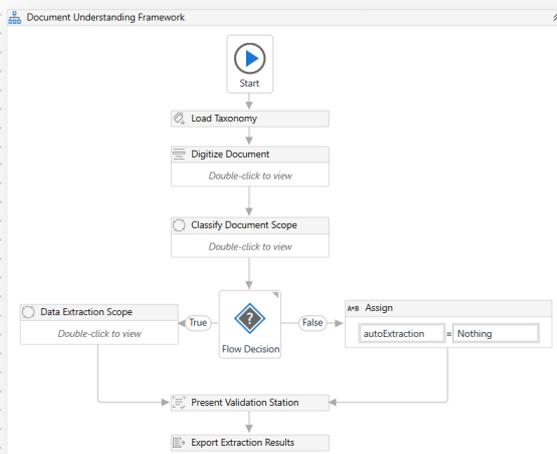
Increased operational efficiency



End-to-end automations 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 requiring high-volume document processing.

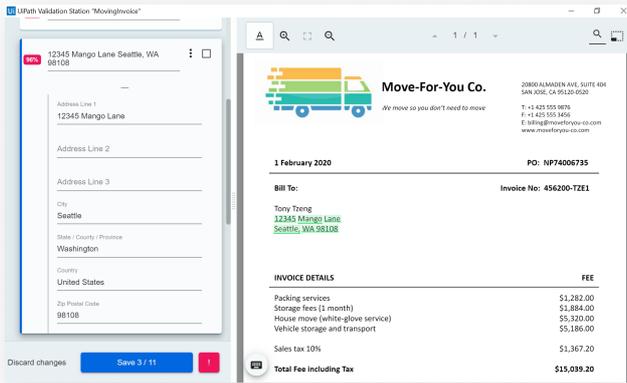
In addition to the native capabilities, a **dynamic document understanding ecosystem** offered by UiPath is complemented by the leading partner technologies extending the framework to diverse document types and business needs.

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

Extractors based on **rules 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 specific business documents.

Document Types and Fields	Rules Based Extractor	Form Extractor	Intelligent Form Extractor	Invoices ML Extractor	Receipts ML Extractor	Purchase Orders ML Extractor
Purchase Orders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Receipts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invoices	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invoice No.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PO No.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Billing Address	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Address	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vendor Address	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Currency	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tax Amount	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



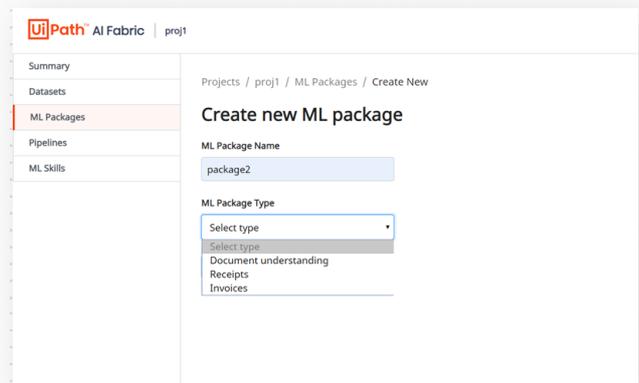
## Human validation

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

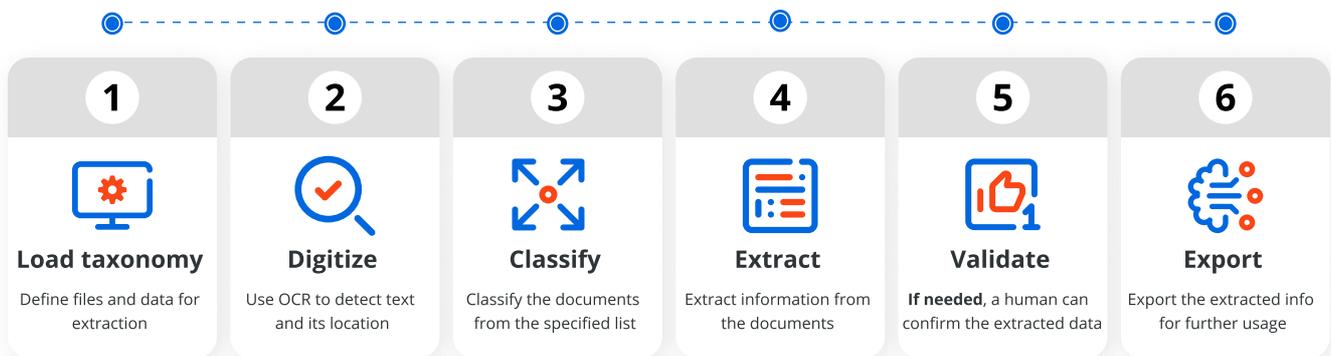
## Retraining capabilities\*

You can use your **custom ML models** or **retrain the existing ML models in AI Fabric** to help robots understand the specificities of your documents. The more you will work with the model, the more effective it will become. Thus, the accuracy of the extracted data will improve over time. In the upcoming release, ML models will also learn from the data confirmed or corrected in the Validation Station.

\* *Currently in Limited Availability*



## How does it work?



**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>