Document Understanding:

- 1.Apply Regex Extractor on Financial Document using Document Understanding (DU) Framework
- 2. How to Extract table from pdf using Document Understanding Framework
- 4.What is DOM?

Apply Regex Extractor on Financial Document using Document Understanding (DU) Framework:

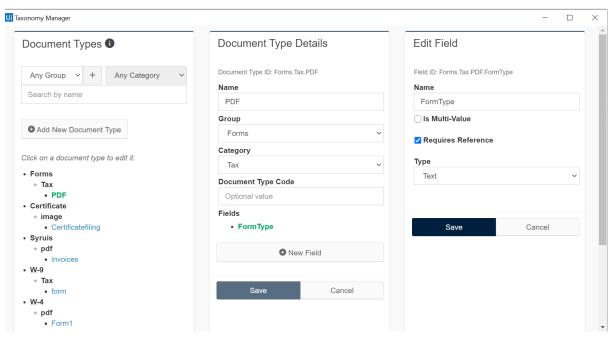
Input:

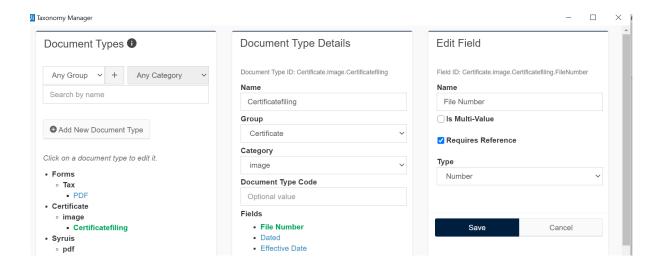
Extract text from forms and certificate using Regex Extractor

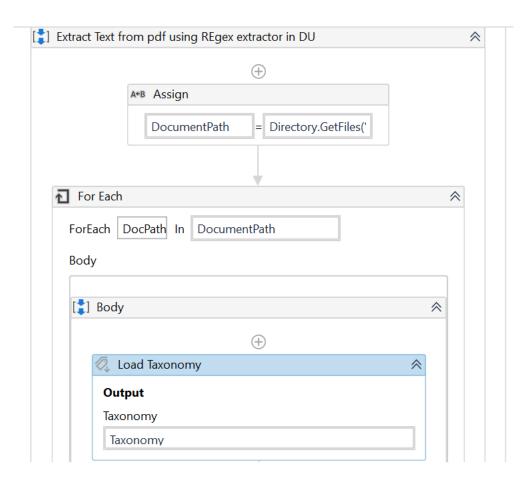
Step 1:

Click on load Taxonomy Manager









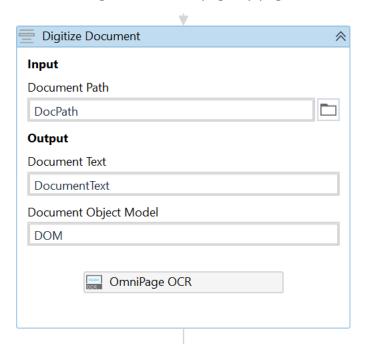
Taxonomy.json created.

Step 2:

Digitize Document:

All documents that are to be processed (native and scanned) must pass through this step-in order for the robot to understand the kind of document it's working with and what data is relevant.

The OCR engine will be used only if the incoming documents require OCR processing, and the decision gets taken on a page-by-page basis.

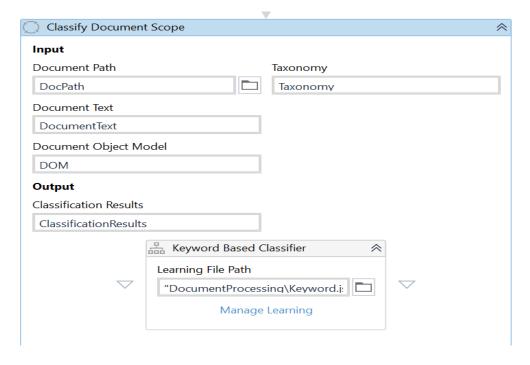


Step 3:

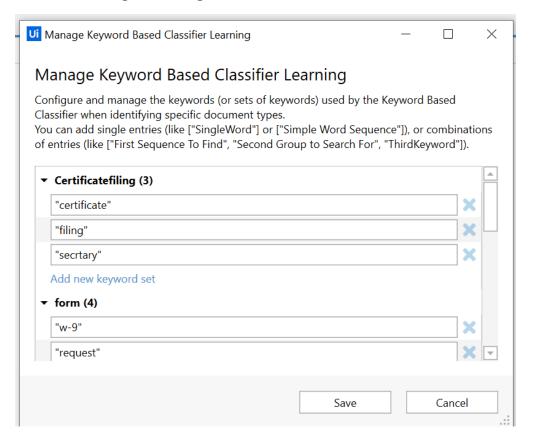
Classification is done through the Classify Document Scope and it's performed by classifiers.

Basically, the document text and object model resulted in the digitization steps are sent to the Classifiers, which report what types they recognize within the incoming file.

The Document Classification Scope Wizard will open at selecting the **Configure Classifiers** option and it allows users to customize which classifier will be used for each individual type of document.



Click on manage learning

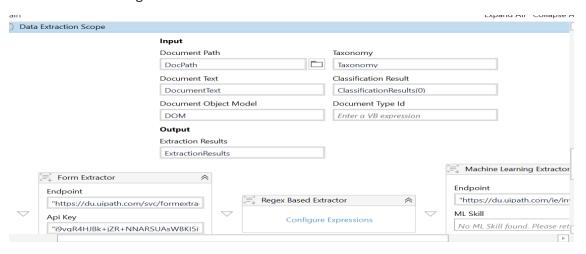


Step 4:

The input consists of the outputs of the previous Document Understanding steps, along with the document path. Based on the structure of the document, different extractors come to play.

The Data Extraction Scope Wizard will open at selecting the Configure Extractors option and it allows users to customize which extractors will be used for each individual field.

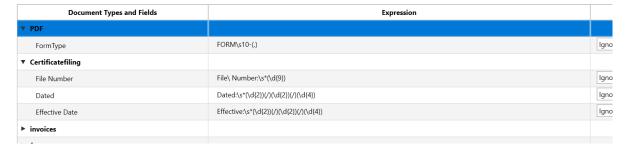
It allows users to mix and match extractors as well as use extractors in parallel based on which extractor has the highest confidence level.



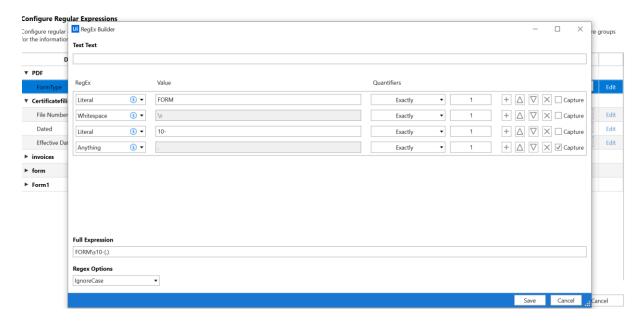
Click on Configure Expressions in regex based extractor.

Configure Regular Expressions

Configure regular expressions and their options for each field of the taxonomy you wish to extract. You can either write your regular expression by hand or use our editor. In both cases you should for the information you wish to be extracted. To do this in the editor you should check the Capture checkbox next to each part of the regex that needs to be extracted.



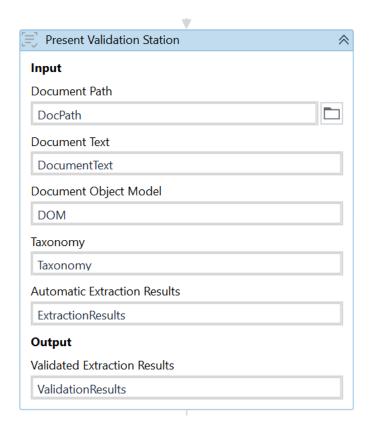
Click on Edit



Step 5:

Validation:

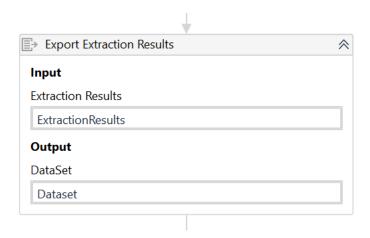
This activity triggers the opening of the Validation station. it's the tool that allows you to review and, if necessary, correct the document classification and automatic data extraction results.



Step 6:

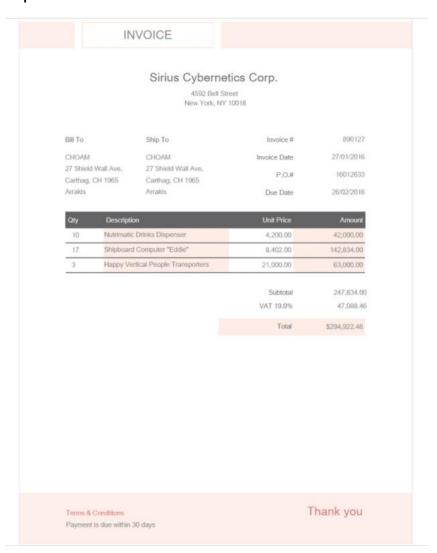
Export

Add the Export Extraction Results activity, provide the validated extraction results as input, and create a new variable for the Output.



How to Extract table from pdf using Document Understanding Framework

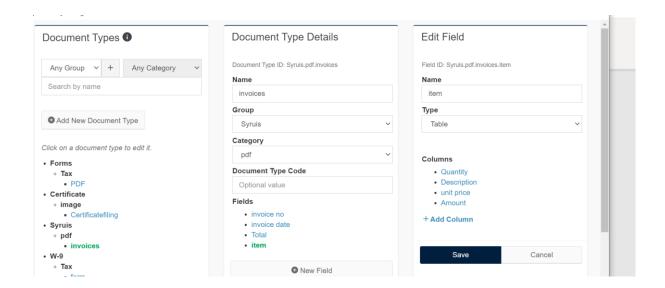
Input Document:

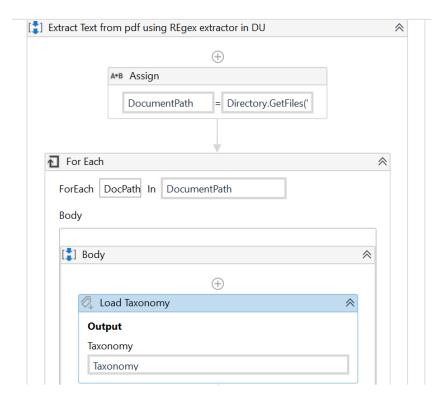


Step 1:

Click on Taxonomy Manager.





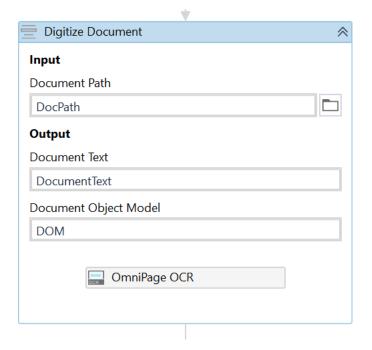


Step 2:

Digitize Document:

All documents that are to be processed (native and scanned) must pass through this step-in order for the robot to understand the kind of document it's working with and what data is relevant.

The OCR engine will be used only if the incoming documents require OCR processing, and the decision gets taken on a page-by-page basis.

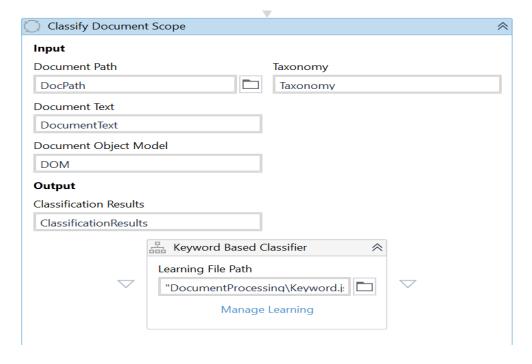


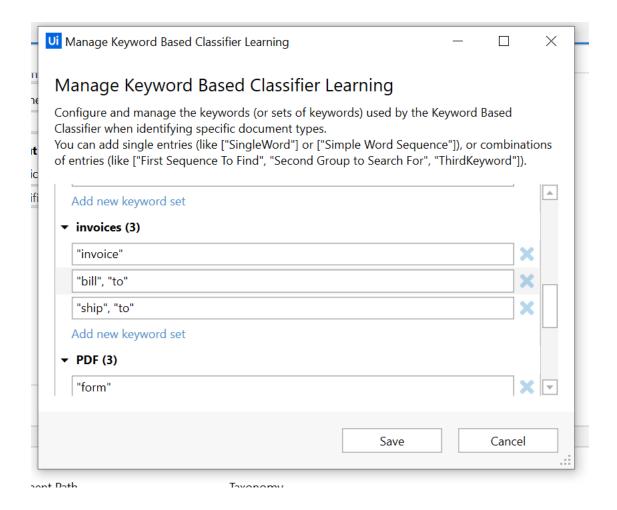
Step 3:

Classification is done through the Classify Document Scope and it's performed by classifiers.

Basically, the document text and object model resulted in the digitization steps are sent to the Classifiers, which report what types they recognize within the incoming file.

The Document Classification Scope Wizard will open at selecting the **Configure Classifiers** option and it allows users to customize which classifier will be used for each individual type of document.



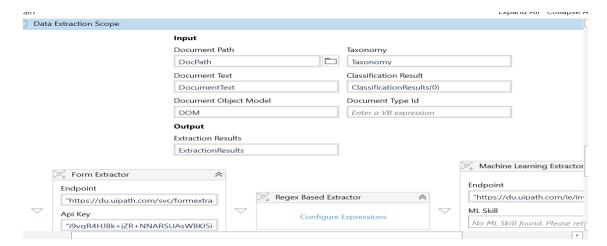


Step 4:

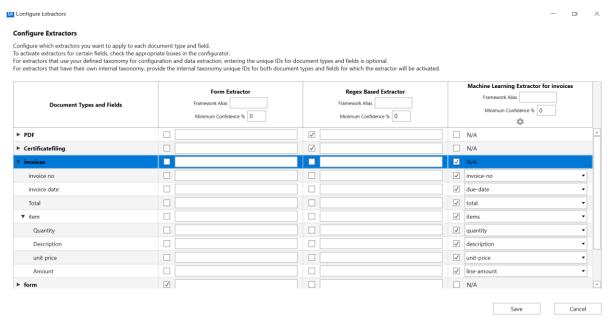
The input consists of the outputs of the previous Document Understanding steps, along with the document path. Based on the structure of the document, different extractors come to play.

The Data Extraction Scope Wizard will open at selecting the Configure Extractors option and it allows users to customize which extractors will be used for each individual field.

It allows users to mix and match extractors as well as use extractors in parallel based on which extractor has the highest confidence level.



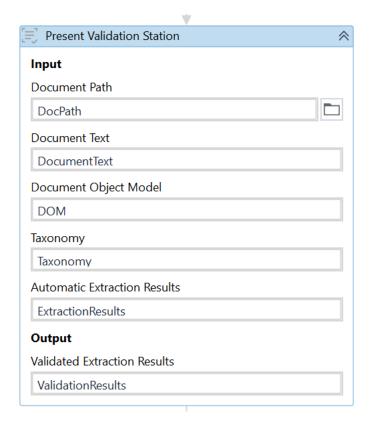
Use Machine learning extractor to extract table from pdf.



Step 5:

Validation:

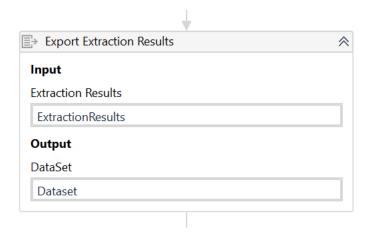
This activity triggers the opening of the Validation station. it's the tool that allows you to review and, if necessary, correct the document classification and automatic data extraction results.



Step 6:

Export

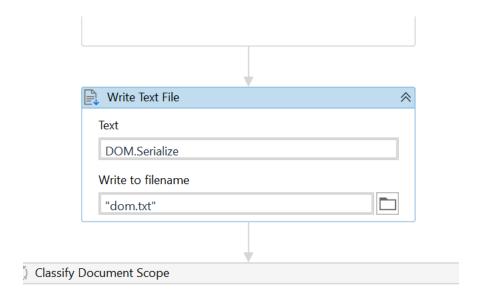
Add the Export Extraction Results activity, provide the validated extraction results as input, and create a new variable for the Output.



What is DOM?

Document Object Model contains basic information regarding the processed document such as name, content type, text length, and information about each page. It is passed down to the next activities using a document variable.

The other outcome is all the text from the document, stored in a string variable.



Output Of DOM:

