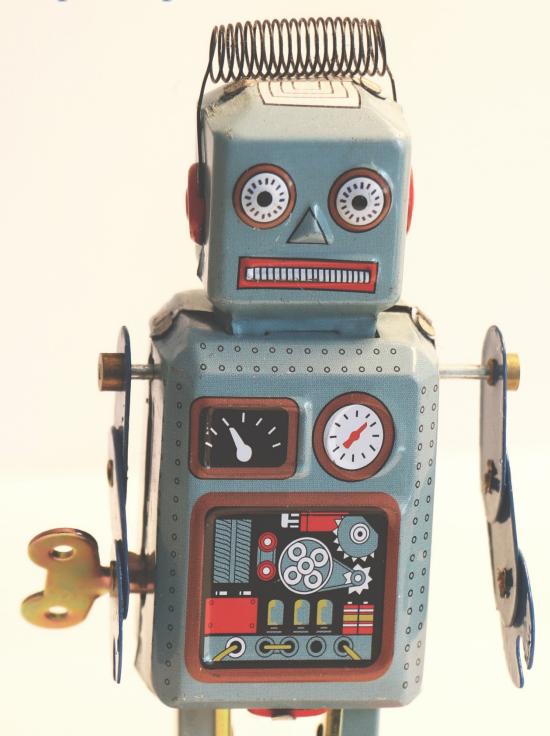
# Project by Brayan Jimenez



Doc Process REFramework and SQL Bot

### **USE CASE**

#### As is process:

A company receive the following types of documents via Outlook:

- Invoice
- Receipt
- W9 Form
- Certificate of filing

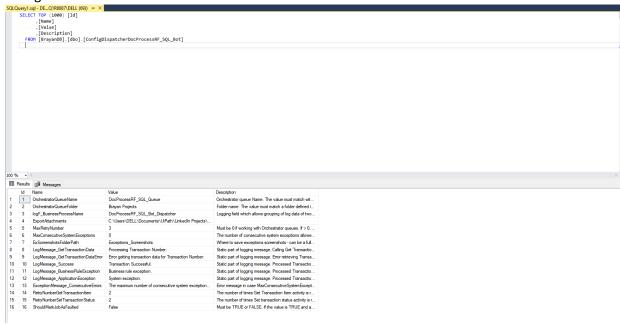
These documents are required to be extracted from the email automatically, then downloaded, then uploaded to rows in the orchestrator, then processed to extract the data from each type of document for later export to Excel, the information will be extracted from each pdf file and then exported in an Excel for each type of document.

Triggers should be used, to trigger the dispatcher, and triggers to trigger the performer.

#### To be process:

#### Dispatcher:

 It's mandatory to use database for this automation, in this case in order to stored the config file

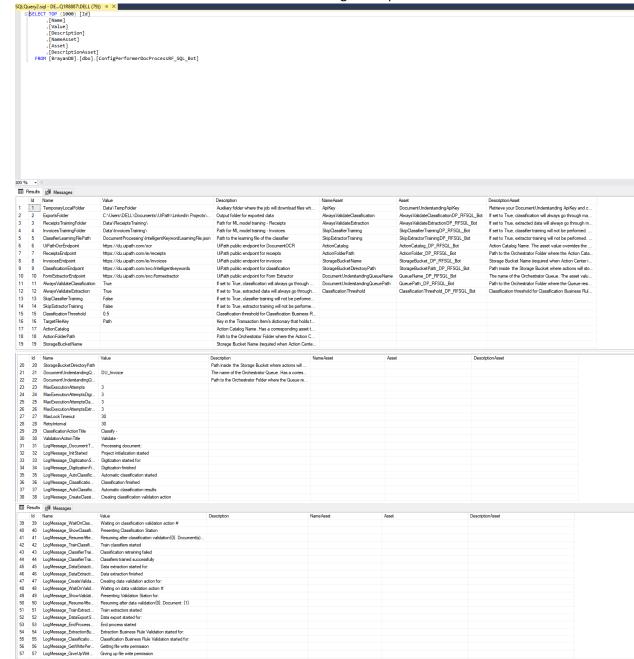


- If the table isn't created it'll be used a workflow called "Load Config File to SQL" and this will take care of uploading the config to the database in addition to creating the table
- A queue is created in the orchestrator which is where all the documents will be loaded afterwards.
- The dispatcher is created by means of REFramework for linear process to upload the documents downloaded via Outlook to the Queue in the orchestrator.
- Integration service is used to use an event trigger through a connection with Outlook 365. This trigger will be used by the dispatcher and will allow the dispatcher to be automatically triggered when new items, in this case downloaded documents, are

uploaded to the queue. The event trigger monitors Outlook to receive an email with the subject "Uipath" and containing documents.

#### Performer:

- The performer is created by means of the Document Understanding Framework and the file is configured, first the settings are configured and the DocumentUnderstandingQueueName, Target file, ExportsFolder, etc. are indicated. Then the assets sheet is configured. For this, all the assets are first created in the orchestrator to be able to use them in the asset sheet of the config file.
- Here also it'll be used database table to store the config file of performer

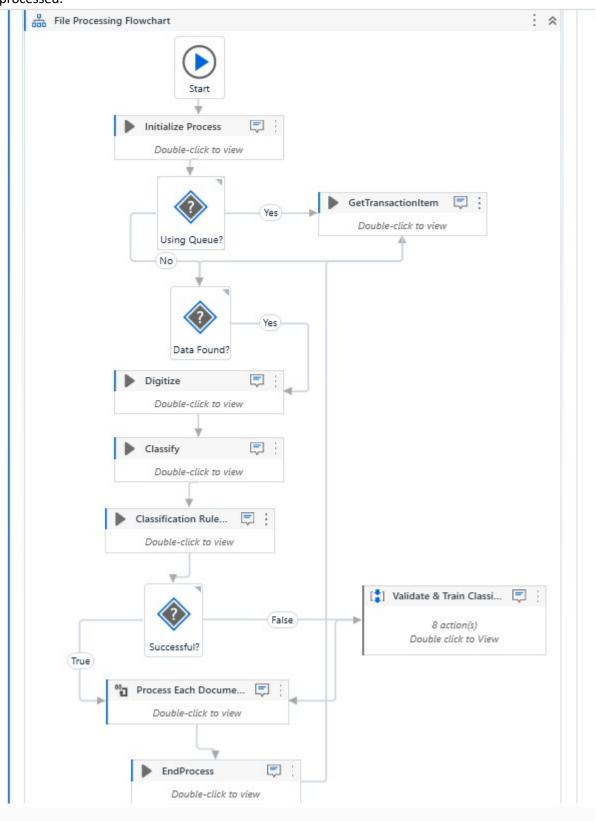


58	58	LogMessage_LockFile	Locking keyword file:					
59	59		Unlocking keyword file:					
60	60							
61	61	LogMessage_GetTransact						
62	62		No transaction item found in the queue					
63	63							
64	64		Transaction Successful					
65	65		Transaction failed due to Business Rule Exception:					
66	66		Transaction failed due to System Exception:					
67	67	LogMessage_SetTransacti	Updating transaction progress to:					
68	68	TransactionProgress Clas	Validating Classification					
69	69	TransactionProgress_Extra	Validating Extracted Data					
70	70	WamMessage_Document	Failed to process page range (0) in file (1) due to (2) wi					
71	71	ErrorMessage_InputDocu	Cannot find input document:					
72	72	ErrorMessage_AssetFailed	Failed to load asset:					
73	73	ErrorMessage_ProcessAb	Process was aborted due to {0} with message: {1} Full					
74	74	LogMessage_InvoicePost	Starting Invoice Post Processing					
75	75	LogMessage_InvoicePost	Parsing the Date has failed!					
	76	LogMessage_InvoicePost	One or more of the mandatory were missing!					
76								
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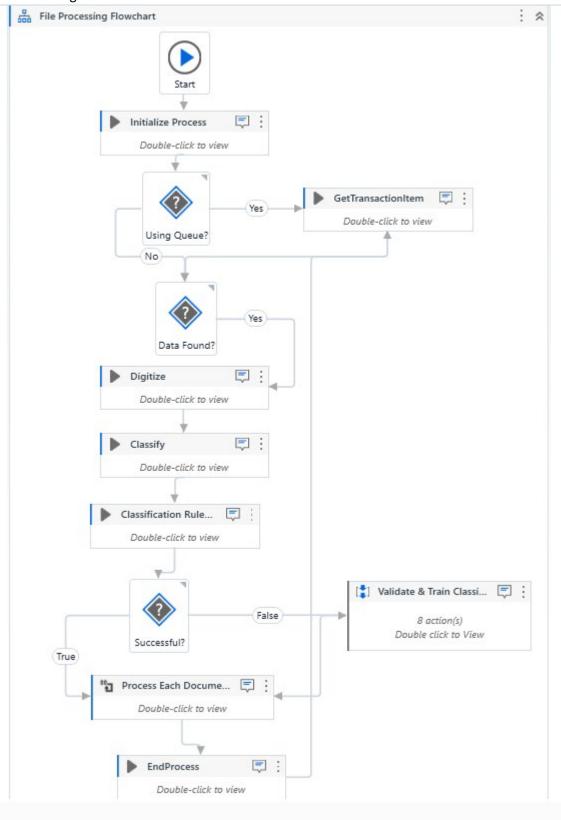
- Here also If the table isn't created it'll be used a workflow called "Load Config File to SQL" and this will take care of uploading the config to the database in addition to creating the table
- Document Understanding framework works under the concept of a single job, which
  means that unlike REFramework, it only executes one job or transaction at a time, so
  you would have to run the performer several times if there are several documents.
  There are two options, either it is executed several times to process each invoice, or a
  modification is made to run it once and process all invoices with a single job, this last
  option is the one we will apply in this case.
- The classification and validation will be done through Action Center.
- It is important to create and edit the ASSETS

The branch not coming from the Flow decision "Data found?" is eliminated and also the end process branch is connected with the Workflow GetTransactionItem, in this way multiple pdf are

## processed.



If the objective is to work under the concept of a "Single job" the workflow should have the following structure:



■ DispatcherDocProcessRF_SQL_Bot	11/11/2023 11:27 PM	File folder
FilesInput	11/12/2023 12:35 AM	File folder
FilesOutput	11/12/2023 12:51 AM	File folder
PerformerDocProcessRF_SQL_Bot	11/11/2023 3:49 PM	File folder

• Documents saved from the dispatcher and the trigger

Certificate of filing.pdf	10/25/2023 9:30 PM	Microsoft Edge P	93 KB
Invoice.pdf	10/25/2023 9:30 PM	Microsoft Edge P	32 KB
Receipt.pdf	10/25/2023 9:30 PM	Microsoft Edge P	1,722 KB
W-9.pdf	10/25/2023 9:30 PM	Microsoft Edge P	1,209 KB

• When the documents are processed (classified, validated, and exported). It will produce the following exports

		76-	
Certificate of filing_1-1.xlsx	10/25/2023 9:32 PM	Microsoft Excel W	7 KB
Invoice_1-1.xlsx	10/25/2023 9:34 PM	Microsoft Excel W	10 KB
Receipt_1-1.xlsx	10/25/2023 9:37 PM	Microsoft Excel W	10 KB
W-9_1-1.xlsx	10/25/2023 9:41 PM	Microsoft Excel W	8 KB

It is advisable to refer to the video where the complete process is explained step by step.

https://drive.google.com/file/d/1DSfbOZSYEUUyiYlwsXX0dLP8wT3VoD3f/view?usp=sharing