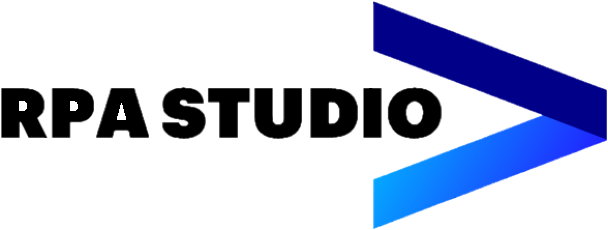


**REUSABLE BOT:**

MS Word Data Collector and Locator



# Revision History Page

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author/s** |
| 9/18/2019 | 1.0 | Initial creation | Ron Arbiel S. Tumandao |

# Description

This reusable bot was designed to collect data from MS word file which includes words and paragraphs. It also searches for a word and returns its location in the paragraph, then counts the number of words found. If the bot will encounter an error, it will log to an error log file and send it through an email as an attachment. All collected data from MS Word will be uploaded or saved in an excel file and will be displayed via message box.

# Platform Used

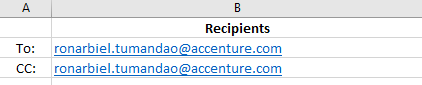
Automation Anywhere Enterprise Client 11.3, Microsoft Excel 2016 and Microsoft Word 2016, Microsoft Outlook 2016

# Prerequisites:

1. All programs used by this bot should be closed except Automation Anywhere.
2. You have to locate your Microsoft Word file and enter a word that you want to search on that file to complete the process.
3. Make sure to put an email address in Send Error Email config file.
4. Outlook Account should be logged in.

**Send Error Email Config File**

(C:\Users\userprofile \Documents\Automation Anywhere Files\ \Automation Anywhere\My Docs\MS Word Collector and Locator\ Send Error Email.xlsm)



# Note: The name in red font color will vary on the user currently logged in the computer.

# Variable Declaration:

## Automation Anywhere

|  |  |  |
| --- | --- | --- |
| **Local Variables** | **Type** | **Description** |
| strPathClient | String | Name of the bot process (Folder) |
| strPathDocs | String | Path of my Docs folder (\Automation Anywhere \My Docs\ MS Word Collector and Locator) |
| strPathReports | String | Path of my Reports folder (\Automation Anywhere \My Reports\ MS Word Collector and Locator) |
| strPathTasks | String | Path of my Tasks folder (\Automation Anywhere \My Tasks\ MS Word Collector and Locator) |
| strSubTaskSendError | String | Path of my Sub Task that will send an error notification via email (\SendErrorNotif.atmx) |
| strConfigFileEmail | String | Path of send email config file (\Send Error Email.xlsm) |
| strConfigFile | String | Path of Macro and config file \MSWord Data Collector and Locator.xlsm) |
| strProcessLog | String | Path of process log file (\Process Log MSWordCL.txt) |
| strErrorLog | String | Path of error log file (\Error Log MSWordCL.txt) |
| strErrorDescription | String | Automation Anywhere System Error Description |
| strErrorMessage | String | VBA Macro System Error Description |
| strModuleName | String | VBA sub/function name |
| strLineNumber | String | VBA Error Line Number |
| intTransactionCounter | Integer | Counter of bot process (transaction) |
| strFileNameList | String | Path of MS Word file (List) |
| strWordFilePath | String | Path of MS Word file (string) |
| strWordSearch | String | Criteria in searching a word in MS word file |
| strTotalUpWords | String | Total number of uploaded words from MS word file |
| strTotalUpParagraph | String | Total number of uploaded paragraphs from MS word file |
| strNumWords | String | Total number of searched words found in MS word file |
| strParaLineNum | String | Paragraph Line Number where the searched words found in MS word file |

|  |  |  |
| --- | --- | --- |
| **System Variables** | **Type** | **Description** |
| AAApplicationPath | String | path of automation anywhere files |
| AATaskName | String | variable of the currently used Task Name |
| Date | Date | variable of the current date (mm/dd/yyyy) |
| Error Line Number | String | line number of the existing errors |
| Error Description | String | the description of specific kind of error |
| $System (COMPUTERNAME)$ | String | Computer Name |
| $System (USERNAME)$ | String | User Name |

## Visual Basic for Application

|  |  |  |
| --- | --- | --- |
| **Variables of OpenWordDocument ()** | **Type** | **Description** |
| wDoc | Object | object instance for Word Document |
| wordApp | Object | object instance for Word Application |
| WordNotOpen | Boolean | Returns true if word document is not open |
| Err.Description | String | VBA Macro System Error Description |
| Erl | String | VBA Error Line Number |

|  |  |  |
| --- | --- | --- |
| **Variables of btnSearch1 ()** | **Type** | **Description** |
| LastRow1 | Long | last used rows in worksheets (UploadedDataWord) |
| LastRow2 | Long | last used rows in worksheets (UploadedDataParagraph) |
| wRange | Word.Range | Range of Word Document |
| MyPara | Long | Returns paragraph index number where the searched word found |
| MyPara2 | Long | Returns paragraph index number where the searched word found (for comparison purposes) |
| counter | Integer | Returns total number of paragraphs where the searched word found |

|  |  |  |
| --- | --- | --- |
| **Variables of UploadDataWord()** | **Type** | **Description** |
| row | Integer | Row Number in excel in worksheet (UploadedDataWord) |
| num | Integer | Index number of Row in excel |
| i | Long | Index number of words in MS word file |
| intExcludeW | Integer | Number of excluded words in MS word file |
| TotalNum | Integer | Total Number of words in MS word file |
| strWord | String | Returns the word in MS word file |

|  |  |  |
| --- | --- | --- |
| **Variables of UploadDataParagraph ()** | **Type** | **Description** |
| row | Integer | Row Number in excel in worksheet (UploadedDataParagraph) |
| num | Integer | Index number of Row in excel |
| i | Long | Index number of paragraphs in MS word file |
| intExcludeP | Integer | Number of excluded paragraphs in MS word file |
| TotalNum | Integer | Total Number of paragraphs in MS word file |

|  |  |  |
| --- | --- | --- |
| **Variables of ErrorNotif ()** | **Type** | **Description** |
| recipient | String | Recipient (To) |
| recipient2 | String | Recipient (CC) |
| attachment | String | Error Log MSWordCL.txt as email attachment file |
| enviro | Variant | Computer user profile path |

1. **Open Spreadsheet**
2. **Run Excel Macro btnClearData1()**

****

1. **Run Excel Macro btnSearch1()**

****

1. **Run Excel Macro btnUploadDataWord1()**

****

1. **Run Excel Macro btnUploadDataParagraph1()**

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1. **Save and Close Spreadsheet**

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# Error Handling

# Automation Anywhere

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========== MSWordCL\_MainTask FAILED ==========

ComputerName: DPCI-805278L-LX

UserName: ronarbiel.tumandao

Error in task: C:\Users\ronarbiel.tumandao\Documents\Automation Anywhere Files\Automation Anywhere\My Tasks\MS Word Collector and Locator\MSWordCL\_MainTask.atmx

Please check line: 60

Error: Cannot find window or application titled 'Microsoft Text Input Application' that was open during recording.

Date: 09/17/2019 16:12:05

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**VBA/Macro**

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=========== MSWordCL\_Macro FAILED ===========

ComputerName: DPCI-805278L-LX

UserName: ronarbiel.tumandao

Error in sub: WordLocationFound

Please check line: 227

Error: Object variable or With block variable not set

Date: 09/18/2019 13:51:10

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**Log Contents to:**

Error logs of Automation Anywhere and VBA will be appended to Error Log MSWordCL.txt while successful transactions/processes will be appended into Process log MSWordCL.txt

# Calibration Guide

The user has rights to change the Microsoft excel data. Open Send Error Email excel file and go to ErrorEmail sheet of the file to do the editing.

|  |  |
| --- | --- |
| Excel | Description |
| Change Account email | Select Cell B2 and B3 to change email address for recipients. |