



Celebrating 20 Years

Excel Utilities– Readme

Version: 1.1

Date: 11th May 2020



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Bot Overview

Microsoft Excel is the most commonly used standard IO for automated processes. There are multiple data massaging operations required before any process execution by the bot. Excel Utility bot provided faster and robust options to massage the data and create pivots before starting any operation as per the configurations. This bot performs the following:

- Remove the duplicates and null row from the excel file based on the input column given by the user.
- Create pivot from given report on basis of configurable parameters as per the requirement
- Filtering the single column with multiple conditions in MS Excel application.

Pre-Requisites

- Automation Anywhere Enterprise v11.x
- MS Excel 2019

Installation

- Download the bot from Bot Store.
- Double click on the .msi file.
- On Welcome to Installation wizard, click Next to continue.
- Click I agree to the terms in the license agreement radio button to accept the agreement.
- Get/Copy the License key from Bot Store Downloads into License Key, click Next to continue.
- Click Install to begin the installation.
- Click Finish to complete the installation.
- To view the installation, go to 'My Tasks' folder on AAE Client to see bot files.

Uninstall

- Open Add/Remove Programs
- Select the Bot/Digital Worker to be installed.
- Click uninstall.

Create the following folder structure of the content in the AA Dir:

- <AA Application Path>
- My Tasks
 - Bot Store
 - Read Content-AA (Folder)
 - My Task
 - ExcelColumnFilter.atmx
 - Error Folder
 - Logs (Folder)
 - Error Logs Month-Day-Year.txt
 - Snapshots (Folder)
 - Error Snap Month-Day-Year.png

How to Use the BOT?

Use the following variable and parameters to configure your bot

Parameter Name	Type	Direction	Additional Info
vExcelUtilityConfigurationFilePath	String	Input	This variable contains Configuration file path
vExcelRemoveDuplicateRow_InputFilePath	String	Input	This variable contains input file path (For Excel Remove Duplicate operation)
vExcelRemoveDuplicateRow_InputFileSheetName	String	Input	This Variable contains sheet name of the input file. (For Excel Remove Duplicate operation)
vExcelRemoveDuplicateRow_ColNumber	String	Input	This Variable contains Column number from where we require to remove duplicate values.
vExcelRemoveDuplicateRow_OutputFolderPath	String	Input	This Variable contains Output Folder path. (For Excel Remove Duplicate operation).
vExcelRemoveDuplicateRow_MacroFilePath	String	Input	This Variable contains Macro File path. This should be in AA path (For Excel Remove Duplicate operation). (Configurable Parameter-Keep it in configuration file.)
vAuditLogFileName	String	Input	This variable contains Audit Log file path.
vBOTStatus	String	Input	This is BOT output variable contains BOT Status.
vErrorFolderPath	String	Input	This variable contains Error Folder path.
vExcelColumnFilter_ColumnNumber	String	Input	This variable contains Column Number. (for ExcelCustomFilter operation).
vExcelColumnFilterColumnValue1	String	Input	This variable contains Column Value. (for ExcelCustomFilter operation).
vExcelColumnFilter_ColumnValue1	String	Input	This variable contains Column Number. (for ExcelCustomFilter operation).
vExcelColumnFilter_ColumnValue2	String	Input	This variable contains Column Value. (for ExcelCustomFilter operation).
vExcelColumnFilter_InputFilePath	String	Input	This variable contains Input File path. (for ExcelCustomFilter operation).
vExcelColumnFilter_SheetName	String	Input	This variable contains Input File Sheet Name. (for ExcelCustomFilter operation).
vExcelColumnFilter_ScriptFilePath	String	Input	This variable contains Input vbs Script File Path. This should be AA path. (for ExcelCustomFilter operation). Configurable parameter- Keep it in configuration file.)
vExceptionLogFileName	String	Input	This variable contains Exception File Path.
vCreagtePivot_InputReportFilePath	String	Input	This variable contains Input File Path (for Create Pivot operation)

vCreatePivot_vInputReportSheetName	String	Input	This variable contains Input sheet Path (for Create Pivot operation)
vProcessName	String	Input	This variable contains process name that is needed to perform. (user can provide comma separated values)
vCreatePivot_ReportFilter	String	Input	This variable contains report Filter (for Create Pivot operation)
vCreatePivot_RowLabel	String	Input	This variable contains Row Label (for Create Pivot operation)
vSnapshotFolder	String	Input	This variable contains Error Snapshot Folder path.
vCreatePivot_ValueColumn	String	Input	This variable contains Value Column name (for Create Pivot operation).
vCreatePivot_PivotTable_Name	String	Input	This variable contains Pivot Table Name (for Create Pivot operation).
vCreatePivot_PivotTable_SheetName	String	Input	This variable contains Pivot Table Sheet Name (for Create Pivot operation).
vCreatePivot_Aggregate_Function	String	Input	This variable contains Aggregate Function Name (for Create Pivot operation).
vCreatePivot_ColumnLabel	String	Input	This variable contains Column Label Name (for Create Pivot operation).
vCreatePivot_MacroFilePath	String	Input	This variable contains Macro File Path. This should be AA path (for Create Pivot operation). (Configurable Parameter-Keep it in configuration file.)
vCreatePivotMacroBookName	String	Input	This variable contains Macro Book Name (for Create Pivot operation). (Configurable Parameter- Keep it in configuration file.)
vCreatePivot_MacroName	String	Input	This variable contains Macro Name (for Create Pivot operation). (Configurable Parameter-Keep it in configuration file.)

Notes:

- ExcelUtility.atmx is main utility task that user need to consume for perform different operations, other atmx if support task (Subtask).
- BOT dependencies files should be kept in Automation Anywhere Folder path.
- SampleBot.atmx in "My Task" Folder is for user reference; it shows all the required parameter need to provide execute particular operation. And how user can use the ExcelUtility BOT.
- The BOT configuration file should be available in AA My Docs folders, the Path for the configuration file is fixed, it must not be changed. Configuration file path: "\\Automation Anywhere Files\\Automation Anywhere\\My Docs\\ExcelUtilityConfig.xlsx".
- Error Folder path must be provided by the user. If user does not provide the Error Folder path, then bot will show the error message and stop the task.

- For Some of the variables BOT is using default values but it is recommended to provide values for all the variables.

Bot Dependency Files Details:

- Macro File path for Process -Remove Duplicate Rows - \Automation Anywhere\My Docs\ExcelUtilities-Larsen&ToubroInfotech(LTI)\Input Folder\ DeDuplication.xlsm
- Macro File path for Process- Create Pivot - \Automation Anywhere\My Docs\ExcelUtilities-Larsen&ToubroInfotech(LTI)\Input Folder\ pivot.xlsm
- Script file path for process –ExcelCustomFilter- Automation Anywhere\My Scripts\ExcelUtilities-Larsen&ToubroInfotech(LTI)\My Scripts\Filter single column with multiple conditions.vbs

Error Handling

- The automation captured all the exceptions and logged those exceptions. Bot stored follows the below-mentioned hierarchy to store details of the exceptions.
 - **Error Folder**
 - **Logs:** Error Logs Month-Day-Year.txt: In case of any error, this file logs error message along with time stamp
 - **Snapshots:** Error Snap Month-Day-Year.png: In case of any error, this file captures screenshot of error.
- Task Status of bot is set to failed in case of error.