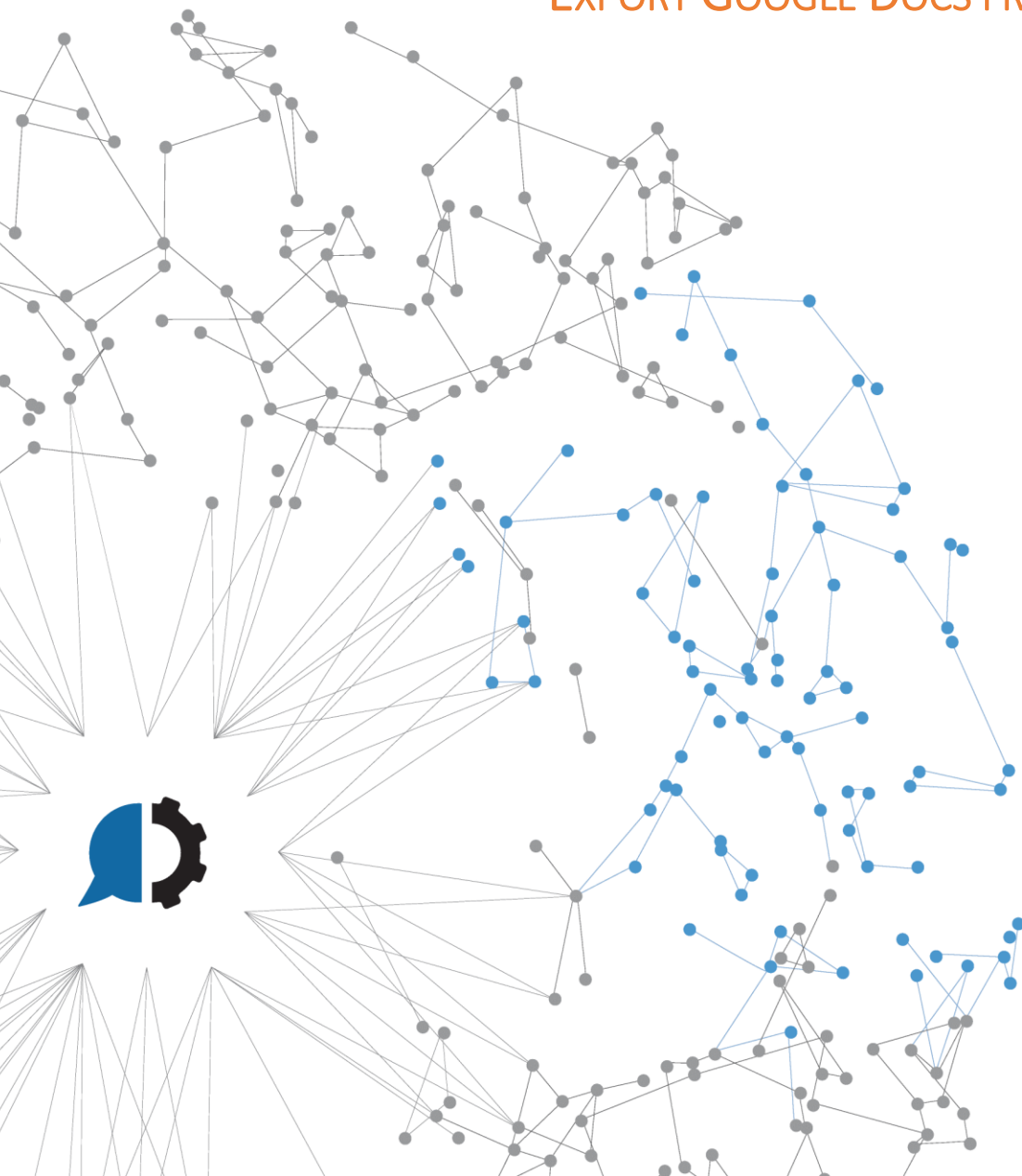




GOOGLE DRIVE BOT

EXPORT GOOGLE DOCS FROM EXCEL INPUT





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OVERVIEW

This how to guide introduces the *Google Drive Bot - Export Google Docs from Excel INPUT*. Instead of spending precious time and resources on repetitive, manual tasks, let Automate go to work and streamline your IT and business processes with robotic process automation. Automate can take over the manual steps which greatly reduces repetitive activities and improves the quality and consistency of the work. The top processes being automated are report generation, file movement, data import and export, and scheduling batch processing.

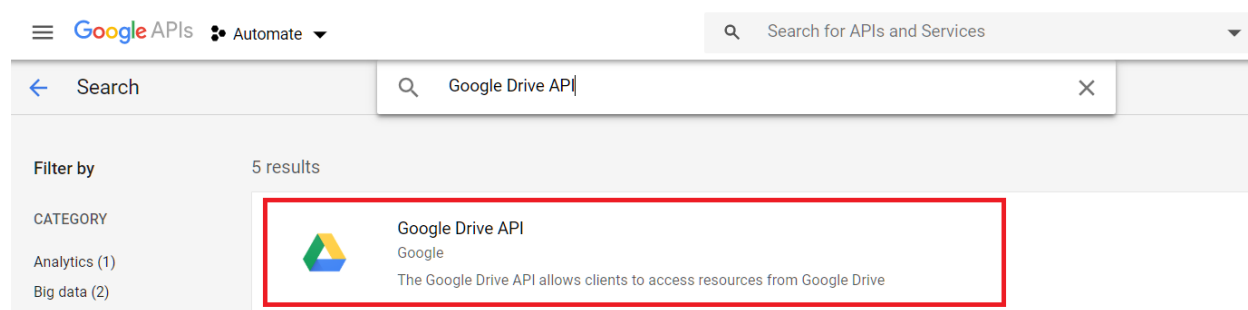
The ***Google Drive Bot - Export Google Docs from Excel INPUT*** is based in **the Google Drive API**. It exports/converts the files listed in the Google Docs INPUT Excel file provided with this task by executing the ***“files”*** HTTP GET method. After completion, the Excel file is updated with the result of the execution for each Google Doc set to be exported. You will be able to set the ***format*** to which you want the file to be converted to. This bot uses an API Token authentication method to avoid using username and password. The token is associated to the account used and scopes used during Authorization Code generation. Carefully check the [PREREQUISITES](#), the [HOW TO GENERATE THE INPUT FILE](#) and the [HOW TO EXECUTE THE GOOGLE DRIVE BOT - EXPORT GOOGLE DOCS FROM EXCEL INPUT](#) sections to get detailed information.

There is also a [GOOGLE BOT - GENERATE AND REFRESH TOKEN](#) available that will provide an easy way for first creation and refreshing of the token for this bot to work on a daily basis. By default, the token expires after 1 hour. This bot is based in the OAuth Authorization Code Workflow.



PREREQUISITES

- **Automate:** The Google Drive Bot depends on Automate software in order to work. The minimal supported versions are:
 - [Automate Ultimate 11.2](#)
 - [Automate Plus 11.2](#)
 - [Automate Desktop 11.2](#)
- **Automate Markup Language file (.AML):** The primary file type used in Automate which contains the steps of our Google Drive Bot task
- **Google Drive API:** Our minimal requirements are
 - **Enable the Google Drive API in your Google account:** In order to be able to connect through API to the Google Drive, you need to enable it within your developer console account. To do so, enter the console with this [link](#). Once logged in for the first time, you will be asked to create a project, all your integrations with Google will be associated to a project. In the next image you can see that we named the project “Automate”. Go to the API [library](#) menu in the left and look for the Google Drive API:



Once enabled the status will be shown as this:



Google Drive API

Google

The Google Drive API allows clients to access resources from Google Drive

MANAGE

TRY THIS API

✓ API Enabled



- **Create a Token for connection with the Google Drive API:** Once the API is enabled, follow the procedure provided by Google within this [link](#), to obtain a **OAuth 2.0 Token** with one of the next Scopes to be able to read the Google Drive Data:

"https://www.googleapis.com/auth/drive"

"https://www.googleapis.com/auth/drive.readonly"

Remember that we also provide in our [BotStore](#) the **"Google Drive Bot - Generate and Refresh Token"** based on the OAuth2.0 Authorization Code Workflow. This bot will provide you an easy way to maintain the Token and Token-Refresh and be able to execute this bot on a daily basis.

- **Google Drive API Version:** This bot was created using the Google Drive API v3.

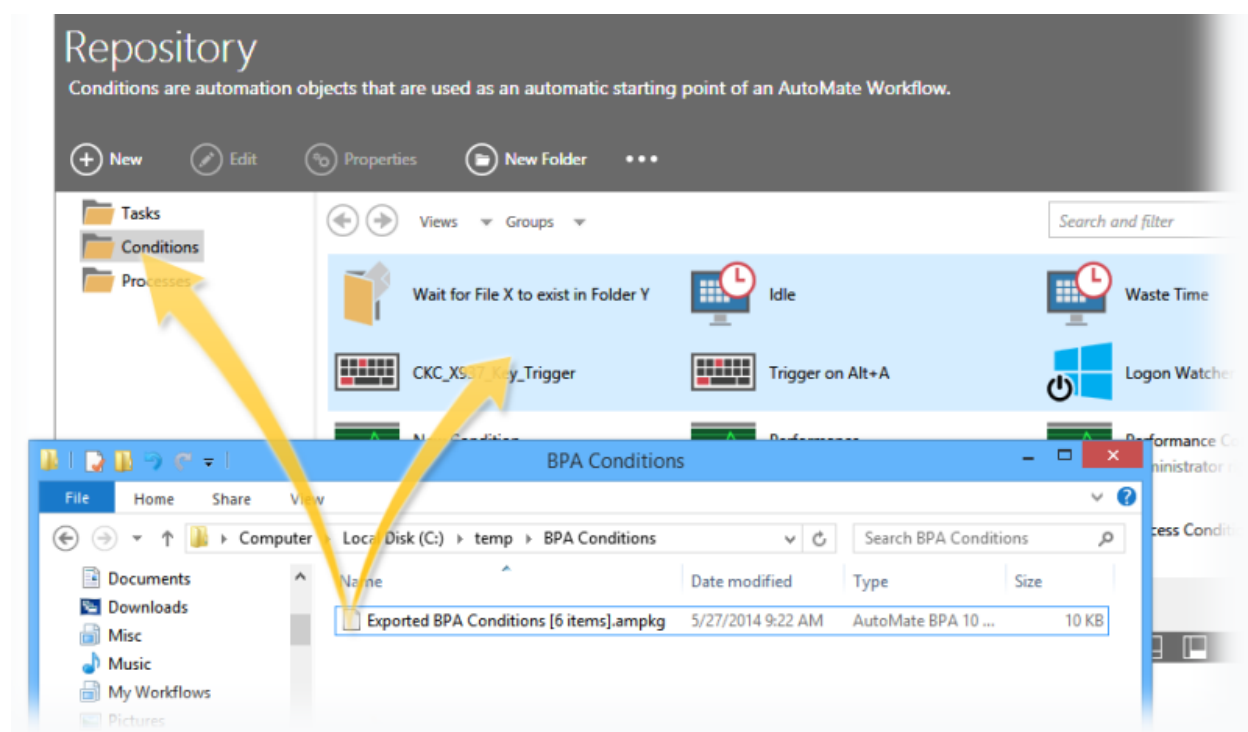


HOW TO IMPORT AN AUTOMATE TASK

Compatible file types can be imported to the repository via drag-and-drop

From the [Server Management Console](#), navigate to the Repository section

Drag the desired file(s) from its original location and drop them into the folder in the [SMC](#). Files can be dropped into the folder icon or the main panel (as shown below). Imported object(s) are automatically placed into their corresponding repository location.





HOW TO GENERATE THE INPUT FILE

The input file ***“Google Docs Input.xlsx”*** shipped with this bot provides a self-explanatory guide to complete all the fields in your transaction automatically.

The Excel INPUT file

A	B	C	D	E	F
Google Docs to Export			Exported?	Details	
Google Doc Name	Export Format	Destination Folder	Yes/No	Date	File ID / Result Message

NOTES:

- **Red fields** are mandatory.
- The Bot will obtain the Google Doc ID internally by using the Google Doc Name.
- The Destination Folder will be a Local Folder path in which you want to save the resulting files.
- For the Export Format you will be able to choose one of the following:

MS Word document	▼
MS Word document	
Open Office Doc	
Rich text	
Plain text	
HTML (zipped)	
PDF	

- Columns D to F in the INPUT file will be filled with the result of the execution and the File ID when exported/converted. See [APPENDIX A](#) for an example on the resulting.

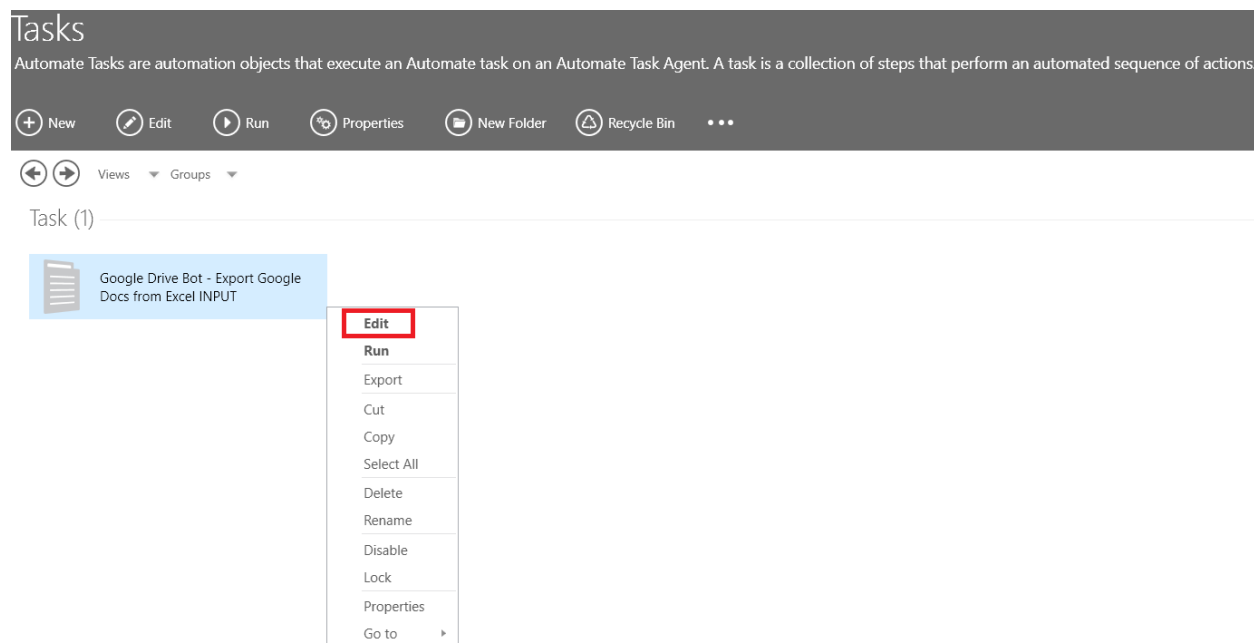


HOW TO EXECUTE THE GOOGLE DRIVE BOT - EXPORT GOOGLE DOCS FROM EXCEL INPUT

If this is the first time running this task, we will need to set some parameters

Open the [Server Management Console](#) and locate the imported task

Edit the imported task by right clicking on the task and selecting [edit](#)



From [step 2](#) edit the next variables according to you desired output:

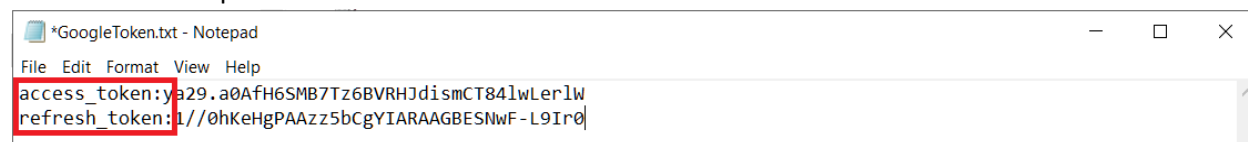
- **var_ExcelInputFile**: Set the location path and name of the Google Docs INPUT file for exportation.
Example: D:\Automate\Google Docs Input.xlsx
- **var_Token**: Set your token for connection (String) or the path of the file with the token information. Remember that the token will be associated to the account we connect/request with. It can be set to the token value itself or the path in which the .txt file with the token inside is located.

Example: **C:\Automate\GoogleToken.txt**

In the case of using a .txt file, the token must have the next format/structure:

access_token:TokenString

Example of the file:

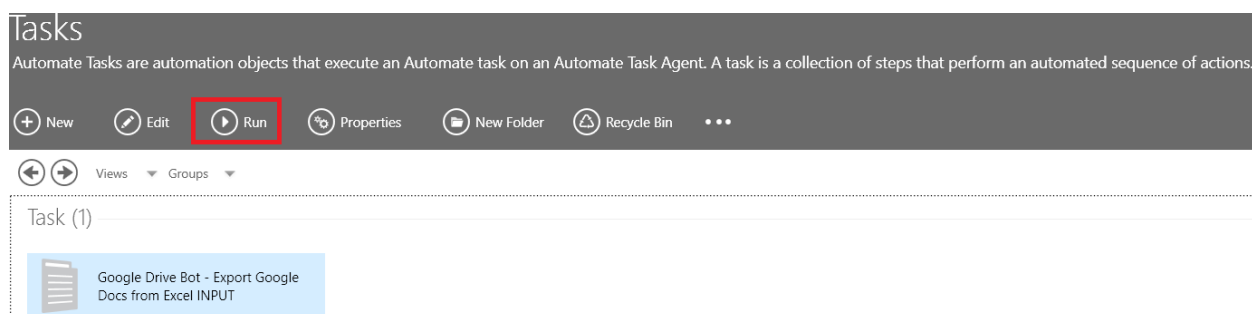


Note that there is a refresh_token value, this is managed by Google Bot - Generate and Refresh Token

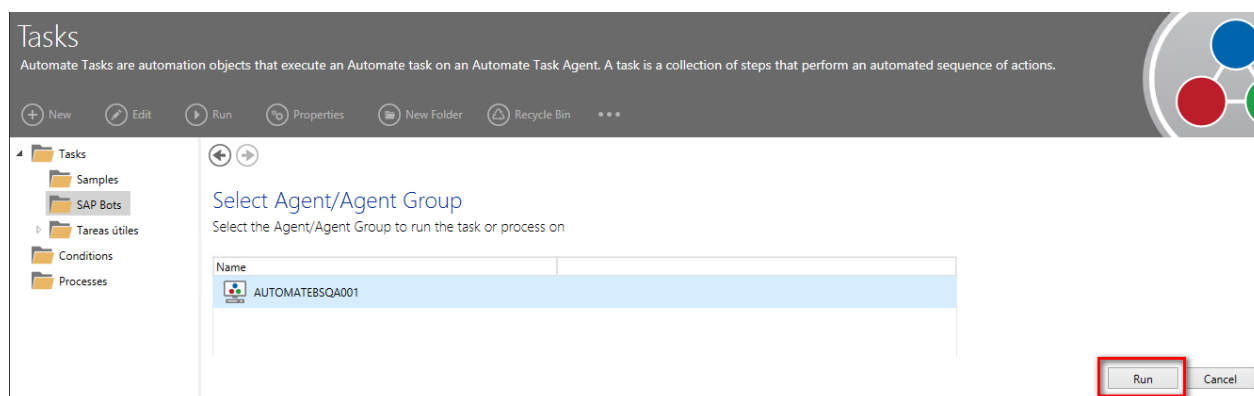


Save and close the task

Select the task and click on **Run**



Select your **Agent** and click on **Run** again





APPENDIX A – EXCEL RESULT EXAMPLE, GOOGLE AND LOCAL DRIVE WITH FILES

Google Docs Files in drive:

My Drive > Automate ▾

Name ↑	Owner	Last modified	File size
Doc 1	me	9:49 AM me	—
Doc 2	me	9:50 AM me	—
Doc 3	me	9:50 AM me	—

Input Excel with Results:

Google Docs to Export		
Google Doc Name	Export Format	Destination Folder
Doc 1	MS Word document	D:\Automate\GoogleDocs\
Doc 2	Open Office Doc	D:\Automate\GoogleDocs\
Doc 3	PDF	
Doc 1	Rich text	
Doc 2	Plain text	

Exported?	Date	Details
Yes/No		File ID / Result Message
YES	28/07/2020 10:03:13 AM	188sZ5x9qPYdP6lyVGpC-Odixe2DyHRxBU_6rZqaw4zl
YES	28/07/2020 10:03:18 AM	1GRM8EdFumtxA-kXIVWhVrCbXfVvqfYydVHJbVGRzd_0
YES	28/07/2020 10:03:23 AM	1HWjT-bpatckArV-V6nb0KexWMf64ErmB2LEkQ_EKIUc
YES	28/07/2020 10:03:25 AM	188sZ5x9qPYdP6lyVGpC-Odixe2DyHRxBU_6rZqaw4zl
YES	28/07/2020 10:03:27 AM	1GRM8EdFumtxA-kXIVWhVrCbXfVvqfYydVHJbVGRzd_0

Resulting Files in Local drive:

Automate > GoogleDocs				
<input type="checkbox"/> Name	Date modified	Type	Size	
Doc 1.docx	28/07/2020 10:03 AM	Microsoft Word D...	6 KB	
<input checked="" type="checkbox"/> Doc 1.rtf	28/07/2020 10:03 AM	Rich Text Format	10 KB	
Doc 2.odt	28/07/2020 10:03 AM	OpenDocument Te...	8 KB	
Doc 2.txt	28/07/2020 10:03 AM	TXT File	1 KB	
Doc 3.pdf	28/07/2020 10:03 AM	PDF File	12 KB	



APPENDIX B - TROUBLESHOOTING

- Logs: Each iteration of our bot creates a log file for troubleshooting. You can locate the log file under C:\Automate\Tasks\<<TASK NAME>>. By default, the task name is *Google Drive Bot - Export Google Docs from Excel INPUT*.



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