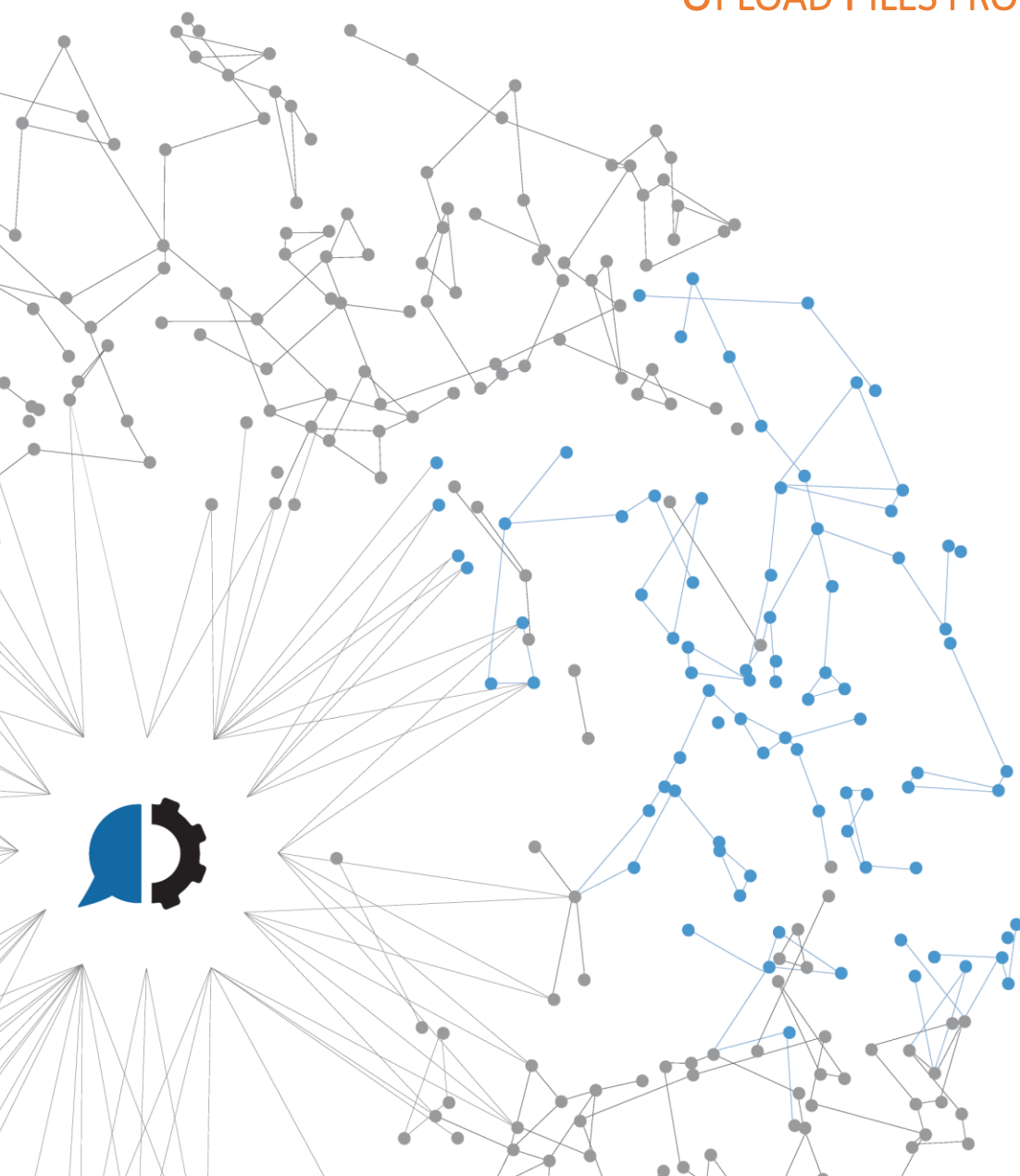




GOOGLE DRIVE BOT

UPLOAD FILES FROM LOCAL FOLDER





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OVERVIEW

This how to guide introduces the *Google Drive Bot - Upload Files from Local Folder*. 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 - Upload Files from Local Folder*** is based in **the Google Drive API**. It uploads files from a specified Local Drive Folder by executing the “***files***” HTTP PATCH method. You will be able to set the *Local Drive Folder Name* from which the files will be uploaded from and the *Google Drive destination folder name* where the files are going to be saved.

There is also the possibility to set the option to replace the file in the destination folder in case it already exists. By default, this option is disabled, meaning that the files that already exist in the Google Drive destination folder won't be uploaded.

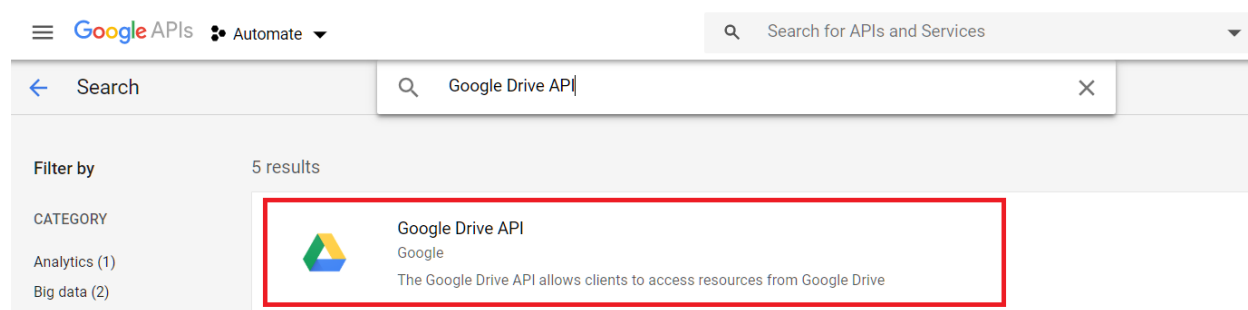
This bot uses an API Token authentication method to avoid using username and password. The token is associated to the account used and scopes used during Authorization Code generation. Carefully check the [PREREQUISITES](#) and the [HOW TO EXECUTE THE GOOGLE DRIVE BOT - UPLOAD FILES FROM LOCAL FOLDER](#) 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 to 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 Connecting with the Google Drive API](#): Once the API was 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 to you an easy way to maintain the Token and Token-Refresh and be able to execute this bot in a daily basis.

- [Google Drive API Version](#): This bot was created using the Google Drive API v3.

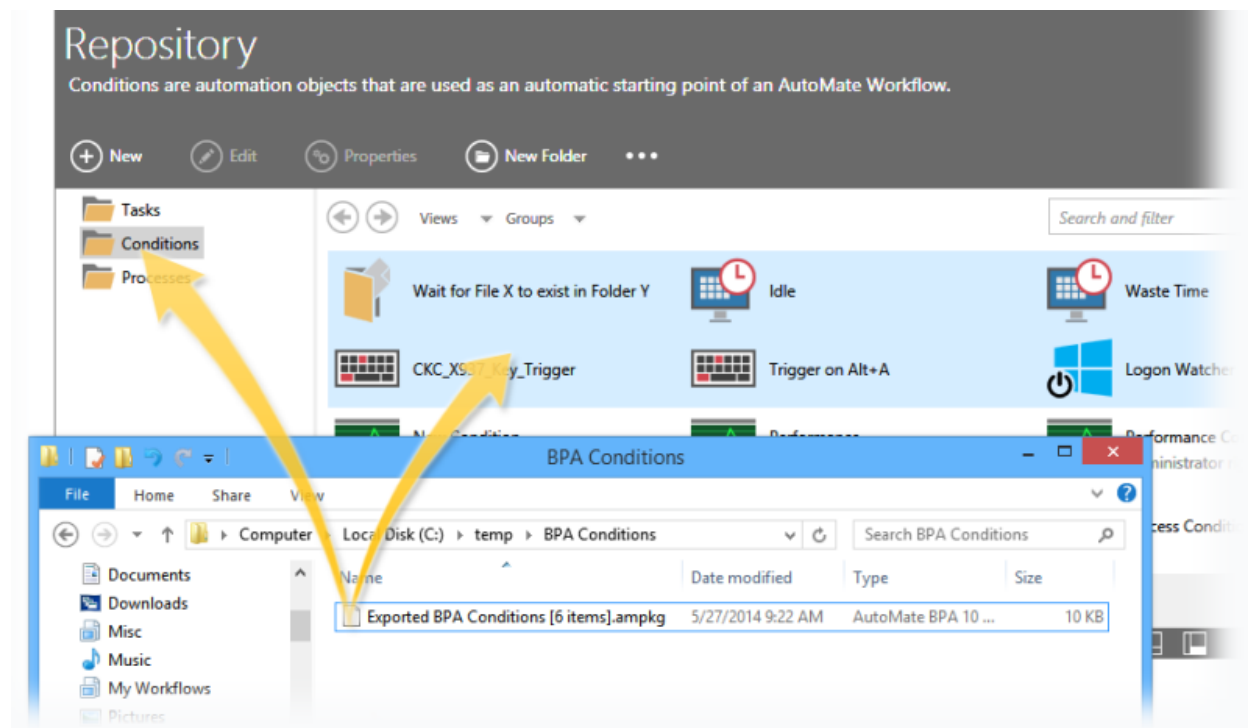


HOW TO IMPORT AN AUTOMATE TASK

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.



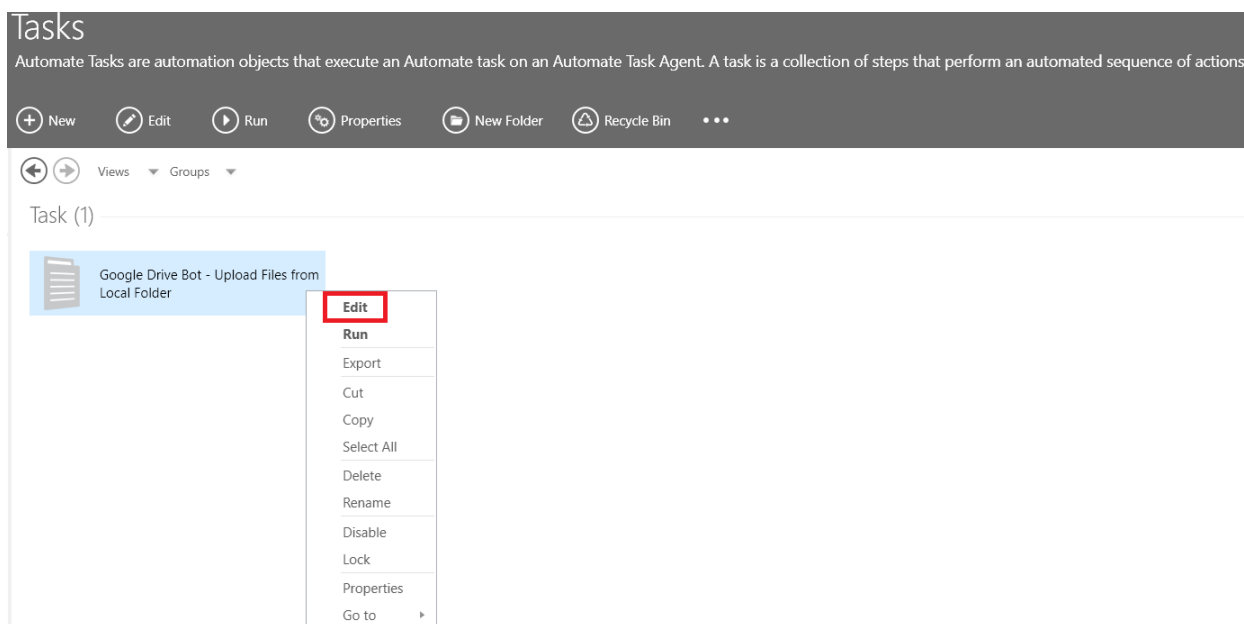


HOW TO EXECUTE THE GOOGLE DRIVE BOT - UPLOAD FILES FROM LOCAL FOLDER

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_LocalFolderPath](#): Set the Folder path from where you want to upload the files. Example:
`D:\Automate\FilesToUpload`
- [var_DestinationDriveFolder](#): Set the destination folder name in Google Drive for files to be uploaded.
- [var_ReplaceFileIfExists](#): Replace file in destination? Possible values True or False. When False, the file won't be uploaded and replacing the existing one.
- [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`



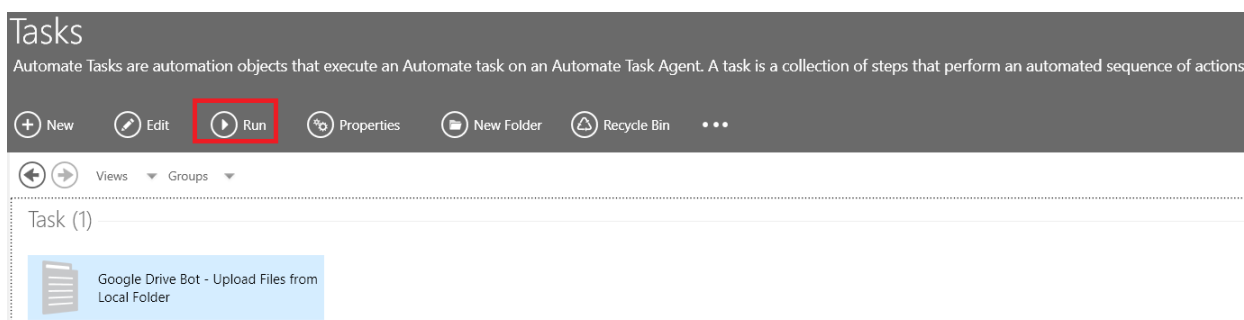
Example of the file:

```
*GoogleToken.txt - Notepad
File Edit Format View Help
access_token:ya29.a0AfH6SMB7Tz6BVRHJdismCT84lwLer1w
refresh_token:1//0hKeHgPAAzz5bCgYIARAAGBESNwF-L9Ir0
```

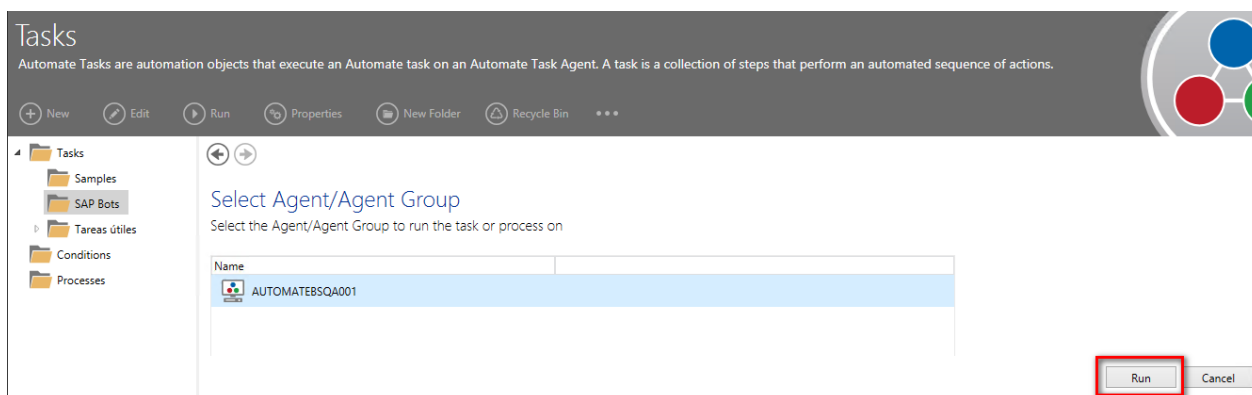
Note that there is a refresh_token value, this is managed by Google Bot - Generate and Refresh Token

Save and close the task

Select the task and click on [Run](#)



Select your [Agent](#) and click on [Run](#) again





APPENDIX A - 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 - Upload Files from Local Folder*.



About HelpSystems

Organizations around the world rely on HelpSystems to make IT lives easier and keep business running smoothly. Our software and services monitor and AutoMate processes, encrypt and secure data, and provide easy access to the information people