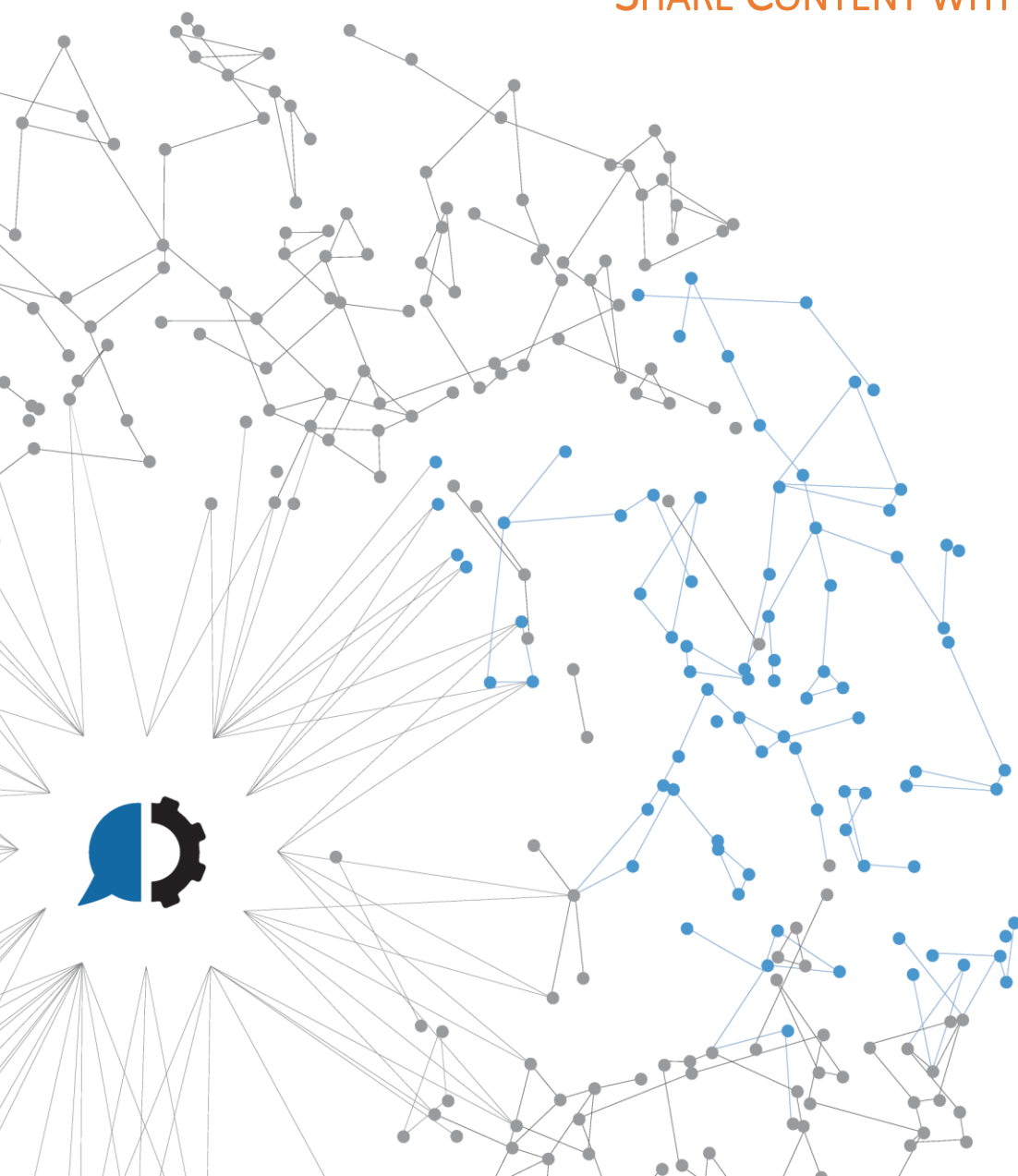




LINKEDIN BOT

SHARE CONTENT WITHIN YOUR PROFILE





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OVERVIEW

This how to guide introduces the *LinkedIn Bot - Share Content within your Profile*. 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.

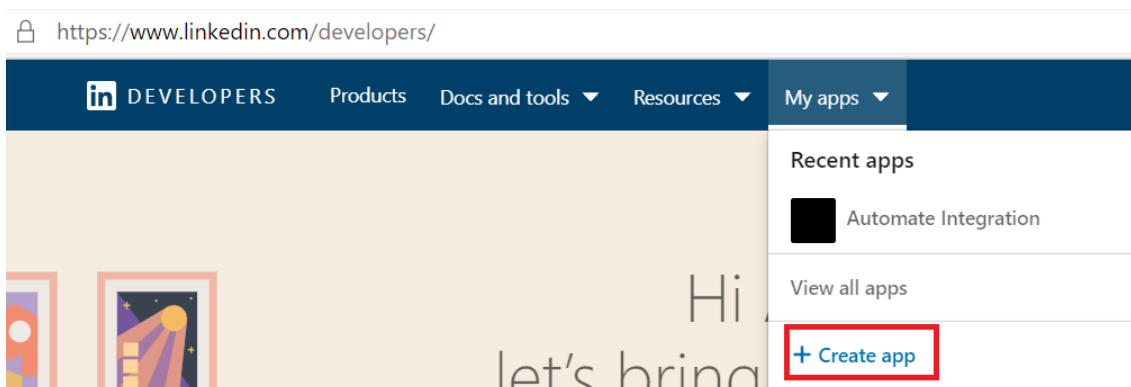
LinkedIn Bot - Share Content within your Profile is based in the in the LinkedIn **“Share on LinkedIn API”** that’s part of the **LinkedIn Consumer Solutions Platform**. It creates LinkedIn shares by posting requests to the **User Generated Content (UGC) API** and updates the Input Excel file with the result of the execution. The specific HTTP method is **“ugcPosts”**. The posting shares will be shown directly in you LinkedIn profile, within the **“Posts & Activities Section”**. Carefully check the [PREREQUISITES](#) and the [HOW TO GENERATE THE INPUT FILE](#) sections to get detailed information.

There is also available a [LINKEDIN BOT - GENERATE TOKEN](#) that will provide to you an easy way to create a token when necessary for this bot to work. Remember that the token by default expires every 60 days.



PREREQUISITES

- **Automate:** The LinkedIn 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 LinkedIn Bot task
- **LinkedIn:** Our minimal requirements are
 - **Create an application in LinkedIn:** You will need to create an application within the LinkedIn developer site to be able to configure the proper scope and requests for the token that will be used for the connections of other LinkedIn Bots. To do so, you need to login with your LinkedIn Account in <https://www.linkedin.com/developers>. Here you will find the option within the “My apps” menu for creating a new APP:

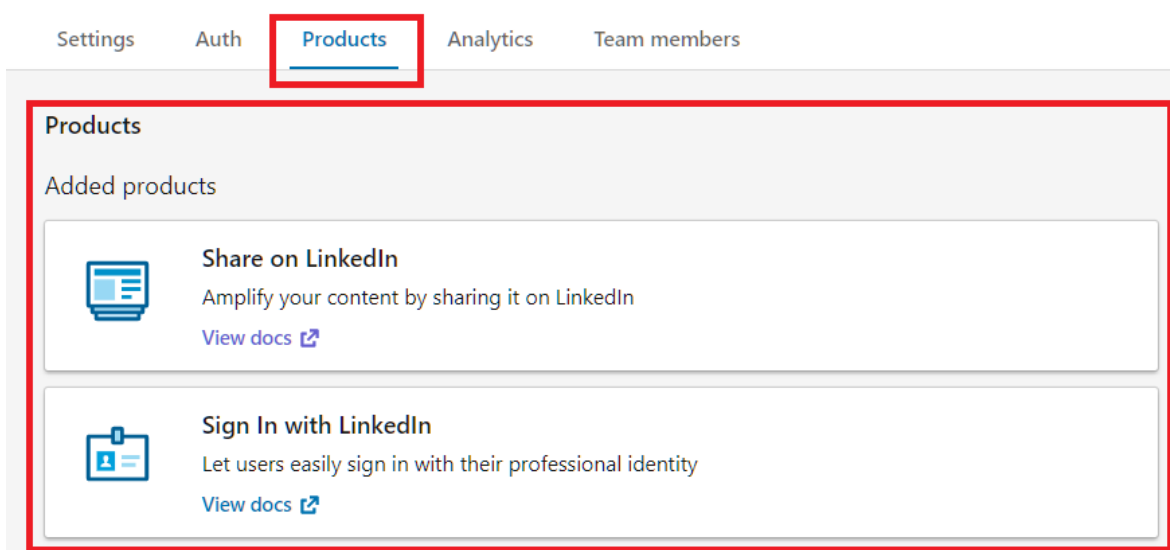


Configure your application to support the OAuth Authorization Code Workflow. Within the Application configuration screen, go to the **Auth** tab and set the **OAuth 2.0 settings**. You will be provided with the **Client ID** and the **Client Secret** (save them safely). You will need these values to set the Bot Configuration. You will find more information about the Authorization Code Flow (3-legged OAuth) [here](#).



- [Get a Token for Connecting with the LinkedIn User Generated Content \(UGC\) API](#): Once your App is configured, follow the procedure provided by LinkedIn within this [link](#), to obtain a **Token** with the next Scopes:
 - **“w_member_social”**: this is required to create LinkedIn posts on behalf of the authenticated member.
 - **“r_liteprofile”**: this is required to access the Profile fields and we particularly need this scope within this bot to get the internal ID of the LinkedIn Account the shares will be created with.

Remember that the scopes are related to the products that you add within your LinkedIn Application. In the next image example we added the **“Share on LinkedIn”** and the **“Sign in with LinkedIn”** products. You’ll find an explanation of what are they used for in next image:



In order to have access to the LinkedIn **“w_member_social”** scope within your app, you will have to add before the **“Share on LinkedIn”** product. To have access to the LinkedIn **“r_liteprofile”** scope, you will have to add it before the **“Sign In with LinkedIn”** product.

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

- [LinkedIn API Version](#): This bot was created using the API v2.

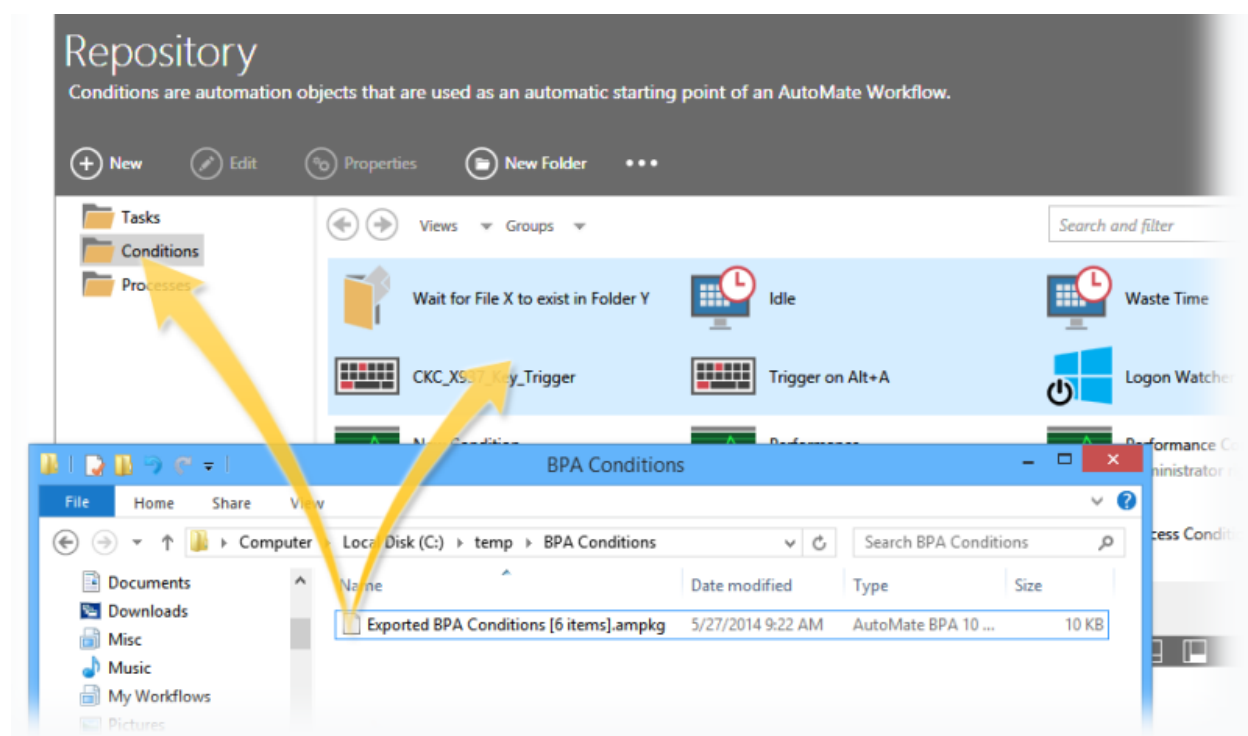


HOW TO IMPORT AN AUTOMATE TASK

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 **“LinkedIn Shares INPUT.xlsx”** shipped with this LinkedIn Bot provides a self-explanatory guide to complete all the fields in your transaction automatically.

The Excel INPUT file

	A	B	C	D	E
1	LinkedIn Share/Post fields				
2	Share Text	Share Visibility PUBLIC or CONNECTIONS	URL Share (Optional)	Image Share FileName (Optional)	Images Foder Path (Optional)

F	G	H
Created?	Details	
Yes/No	Date	Share/Post ID or Result Message

NOTES:

- **Red fields** are mandatory.
- Columns F to H in the INPUT file will be filled with the result of the execution and the Share/Post ID that was opened with. See [APPENDIX A](#) for an example on the resulting.

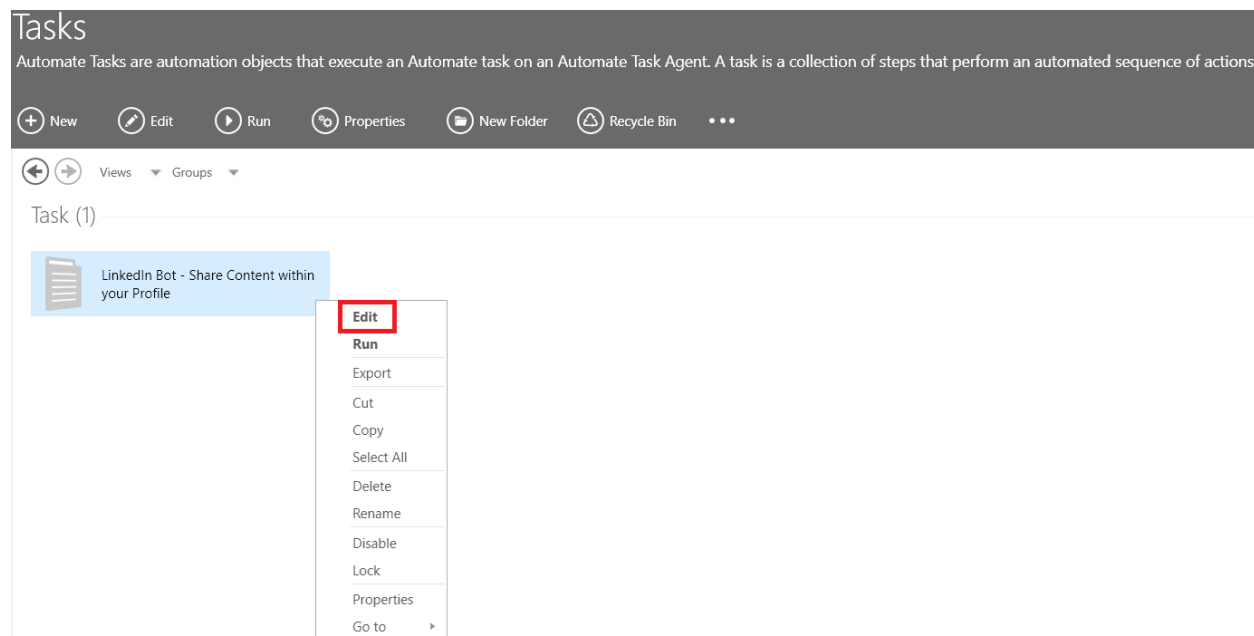


HOW TO EXECUTE THE LINKEDIN BOT - SHARE CONTENT WITHIN YOUR PROFILE

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](#)



In [step 4](#) edit the next variable according to your desired output:

- [var_ExcelInputFile](#): Set the location path and name of the LinkedIn Shares INPUT Excel file for creation.

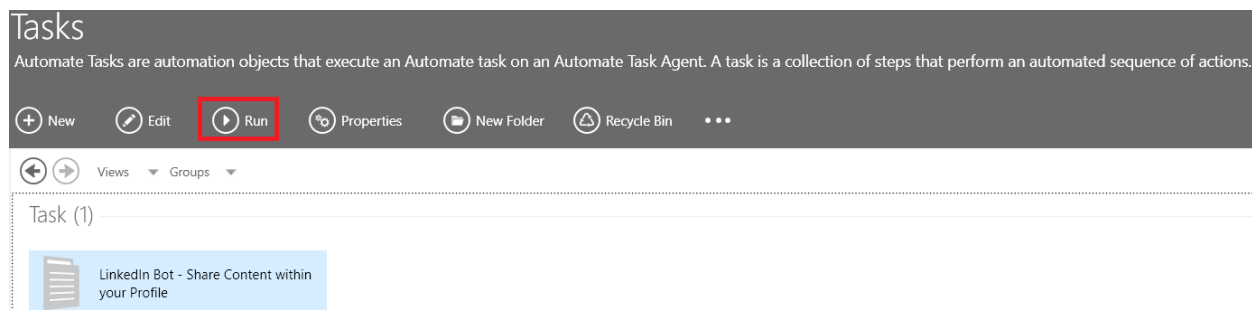
Example: ***"D:\Automate\LinkedIn\LinkedIn Shares INPUT.xlsx"***

- [var_LinkedInToken](#): Set your token for connection or the path of the file with the token information. Example: C:\Automate\LinkedInToken.txt. Remember that the token will be associated to the user account the token was generated with.

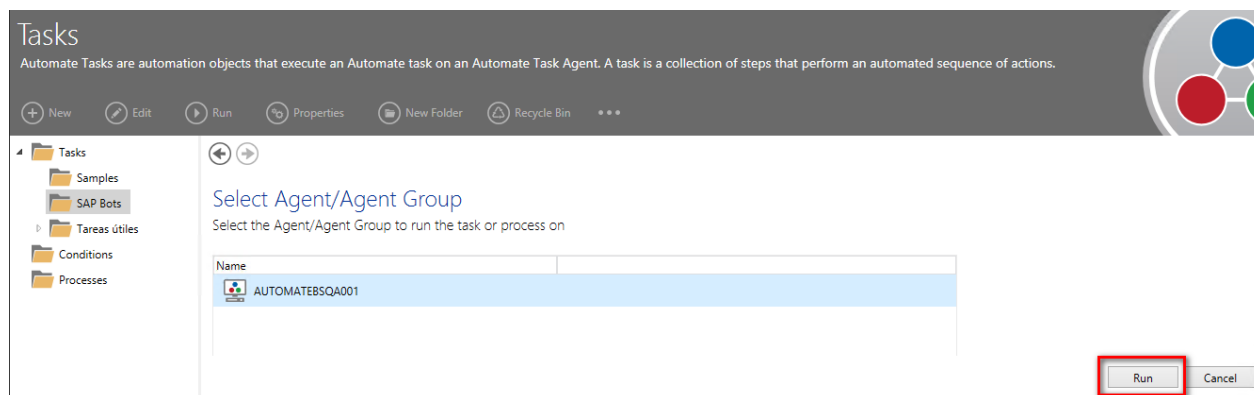
[Save and close](#) the task



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



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





APPENDIX A – LINKEDIN EXCEL INPUT AND RESULTING SHARES EXAMPLES

INPUT Excel file with results:

A	B	C	D	E
LinkedIn Share/Post fields				
Share Text	Share Visibility PUBLIC or CONNECTIONS	URL Share (Optional)	Image Share FileName (Optional)	Images Foder Path (Optional)
LinkedIn Post created by Automate	CONNECTIONS			
AUTOMATE PLUS: Enterprise automation working with processes involving multiple people, departments, and processes.	CONNECTIONS	https://www.helpsystems.com/product-lines/automate		
Automate Bot Store: Online marketplace of free, fully functional bots for users to download.	CONNECTIONS		HS BotStore.png	D:\Automate\LinkedIn

Note that the execution result is written from column F to H. Column H will have the internal Share/Post ID it was created with in LinkedIn.

F	G	H
Created?	Details	
Yes/No	Date	Share/Post ID or Result Message
YES	14/09/2020 10:02:51 AM	The share was created in LinkedIn with id urn:li:share:6711257892563021824.
YES	14/09/2020 10:02:53 AM	The share was created in LinkedIn with id urn:li:share:6711257902327349248.
YES	14/09/2020 10:03:00 AM	The share was created in LinkedIn with id urn:li:share:6711257930651496448.

LinkedIn Share/Post result:

Automate Automate
 Information Technology Specialist at Personal
 7h •

1

LinkedIn Post created by Automate

Like Comment

5 views of your post

Automate Automate
 Information Technology Specialist at Personal
 7h •

2

AUTOMATE PLUS: Enterprise automation working with processes involving multiple people, departments, and processes.

Official LinkedIn Blog
[helpsystems.com](https://www.helpsystems.com) • 1 min read
 AUTOMATE PLUS: Enterprise automation working with processes involving multiple people,...

Like Comment

Automate Automate
 Information Technology Specialist at Personal
 7h •

3

Automate Bot Store: Online marketplace of free, fully functional bots for users to download.

Like Comment



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 *LinkedIn Bot - Share Content within your Profile*.



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