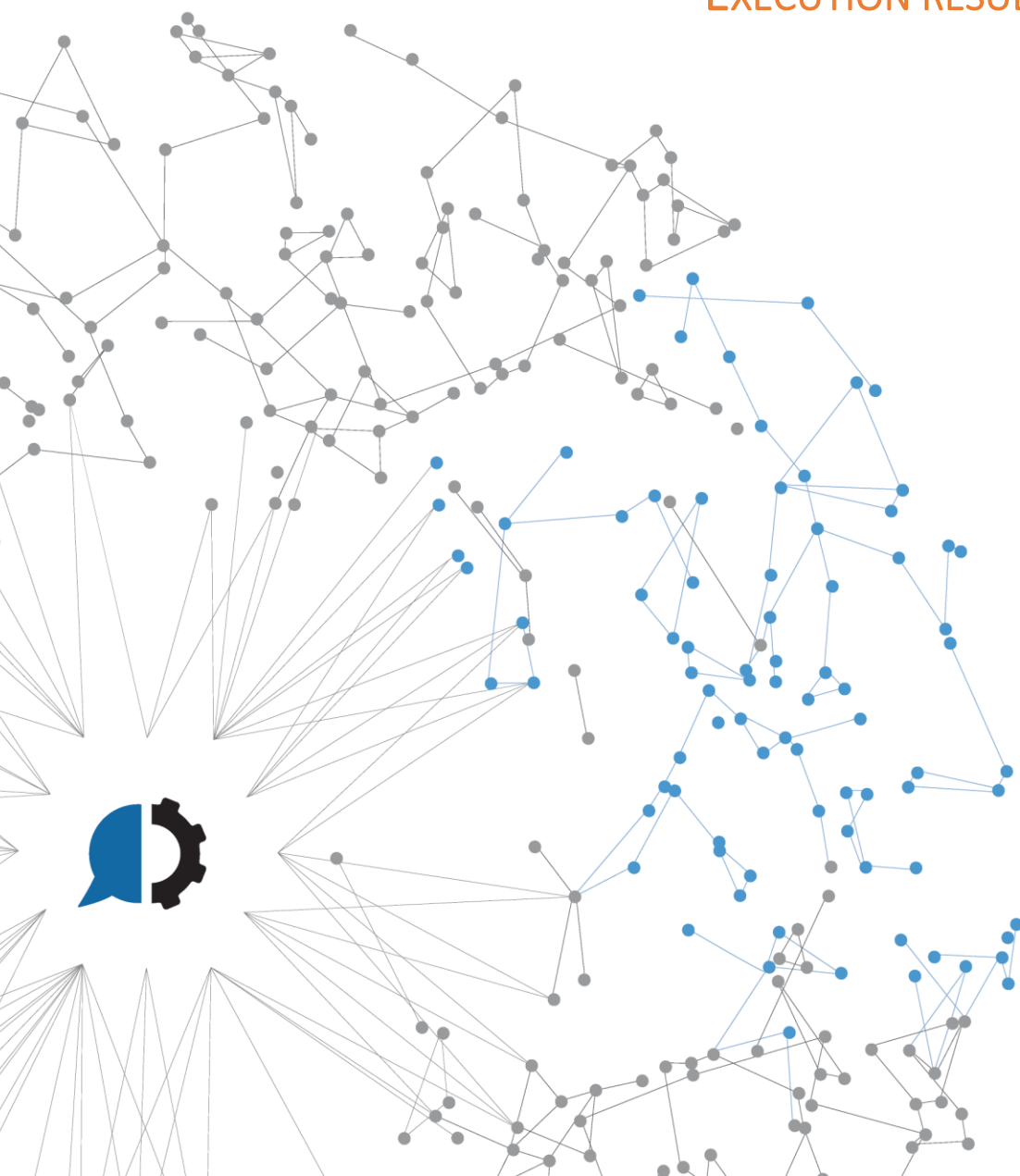




TELEGRAM BOT

EXECUTION RESULT NOTIFICATIONS





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OVERVIEW

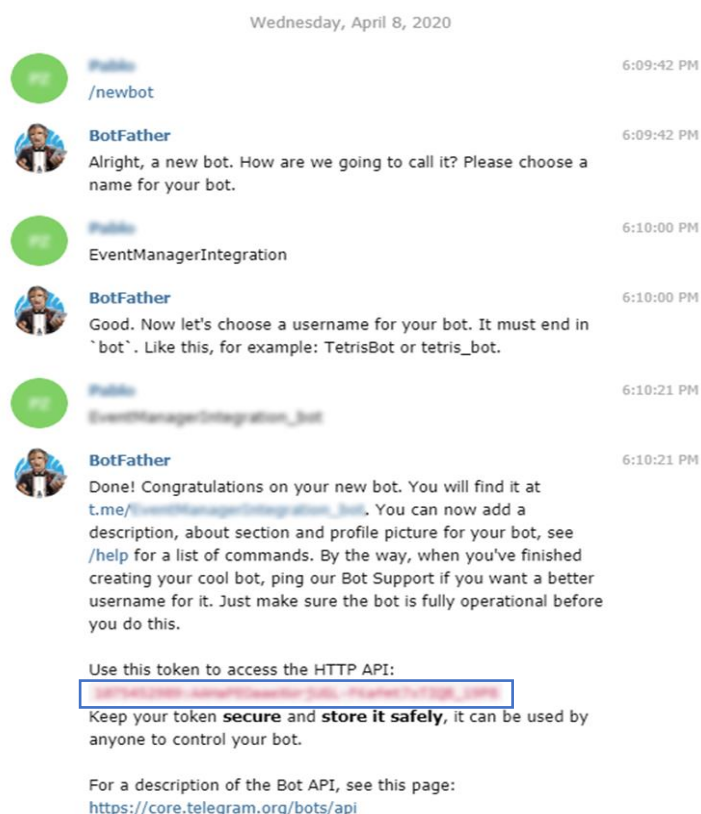
This how to guide introduces the *Telegram Bot - Execution result notifications*. Instead of spending precious time and resources on repetitive, manual tasks, let Automate go to work and streamline your IT and business processes with robotic process automation. ~~With the help of~~ Automate ~~we~~ can take over manual steps which greatly reduces the repetitive activities and improves the quality and consistency of the work. The top processes being ~~a~~Automated are reports generation, file movement, data import and export, notifications, and scheduling batch processing.

Telegram Bot - Execution result notifications is based in the Telegram Bot API (HTTP-based interface). It sends custom notifications/messages to a particular Telegram ***chat ID*** using the ***sendMessage*** method. It can be used within a Workflow execution and you will be able to set the name of the task or workflow, the type of message (*Success or Failure*), and the cause in case of failure. This way, your team will be always aware of the execution result of any critical automated process in your organization.



PREREQUISITES

- **Automate:** The Telegram **botBOT** 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 Telegram **botBOT** task
- **Telegram:** Our minimal requirements are
 - **Telegram Bot created and Token:** To create a new bot you must start a new Telegram conversation with the [BotFather](#) and send the **/newbot** command for starting the creation wizard and follow a few simple steps. When configuring your Telegram bot you will get a unique authentication token. You can get detailed information in the next Telegram [link](#). Here's an example of the creation steps:





- **Telegram Chat ID:** It represents the ID of the chat session you want to send the notification messages to. You can get it by following the next steps:

- a. Click on the link provided by the BotFather



BotFather

Done! Congratulations on your new bot. You will find it at t.me/your_bot_username. You can now add a description, about section and profile picture for your bot, see [/help](#) for a list of commands. By the way, when you've finished creating your cool bot, ping our Bot Support if you want a better username for it. Just make sure the bot is fully operational before you do this.

- b. You should now click Start to start a conversation with the Bot. The conversation will appear in the Telegram interface as if you were speaking to a friend.
- c. Go to https://api.telegram.org/bot_MYTOKEN_/getUpdates, replacing Replace _MYTOKEN_ with the token that the BotFather posted to you after the Bot was created

- d. The Chat ID will be after "chat":{"id:

```
{
  "ok": true,
  "result": [
    {
      "update_id": 123456789,
      "message": {
        "message_id": 3,
        "from": {
          "id": 123456789,
          "is_bot": false,
          "first_name": "John",
          "last_name": "Doe",
          "language_code": "en"
        },
        "chat": {
          "id": 987654321,
          "first_name": "John",
          "last_name": "Doe",
          "type": "private"
        },
        "date": 1586363165,
        "text": "Hello, this is test message sent by myself via the web browser"
      }
    }
  ]
}
```

- Automate constants to be created to set the Telegram connection values:

- `const_TelegramBotToken`: The Telegram Bot Token that you obtained before.
- `const_TelegramChatID`: The ID of the chat in Telegram that you obtained before.

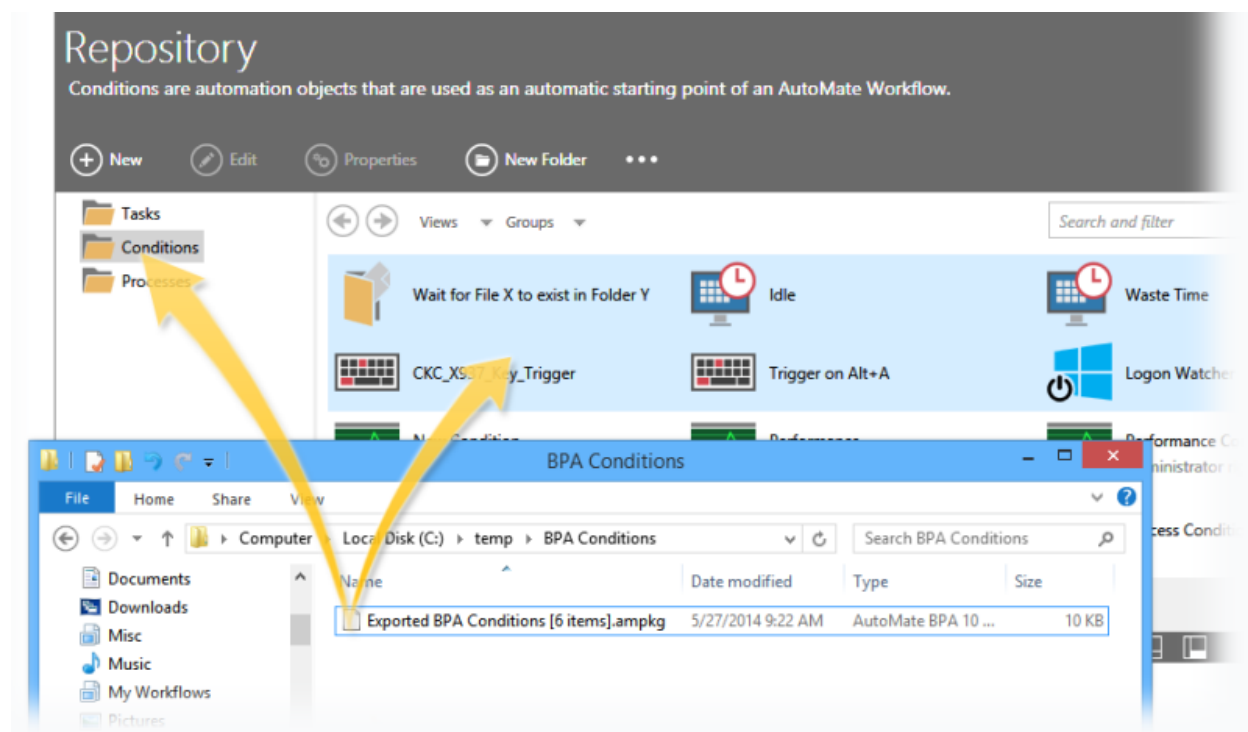


HOW TO IMPORT AN AUTOMATE TASK

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.



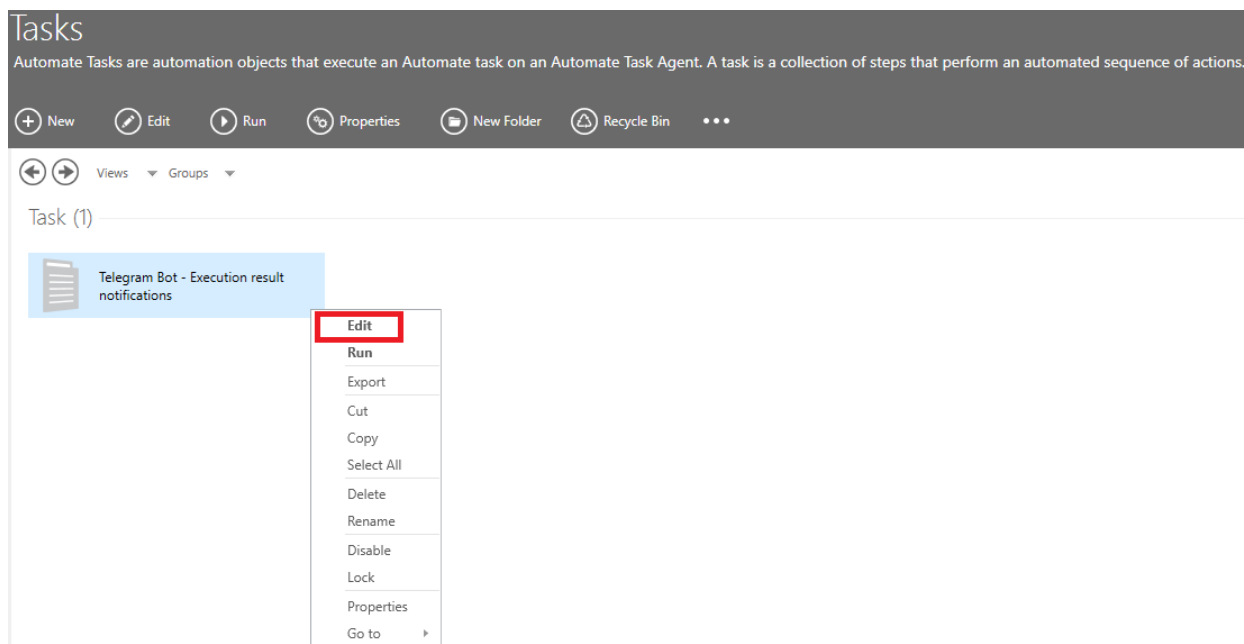


HOW TO EXECUTE THE TELEGRAM BOT - EXECUTION RESULT NOTIFICATIONS

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 your desired output:

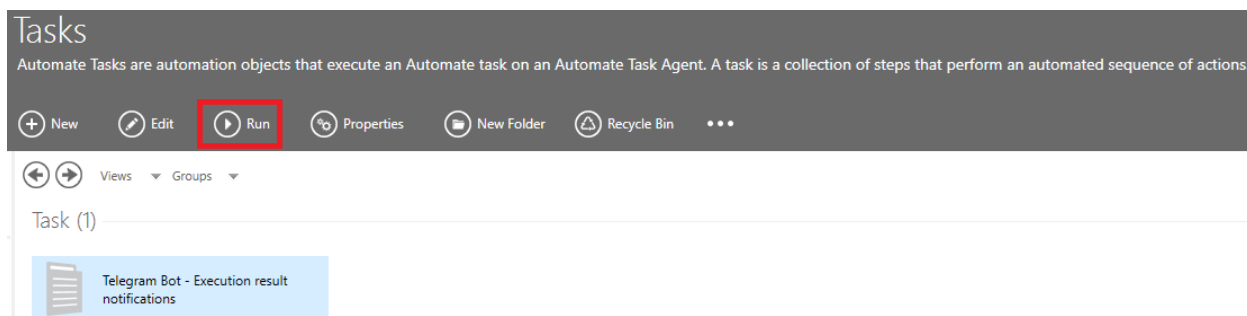
- **var_WorkflowName:** The name of the Workflow from within the task was executed. By default we use the function “GetWorkflowName()” to get it automatically.
- **var_TaskName:** The name of the executed Task. By default [it](#) is set to “GetTaskName()” to get it automatically.
- **var_Execution_Result:** The result of the execution. [It](#) can be set to SUCCESS or FAILURE depending on the severity type of the message to be sent.
- **var_Execution_Critical_Message:** The text with the error cause in case of failure execution.

Notes: These variables can be set dynamically within a workflow by using shared variables.

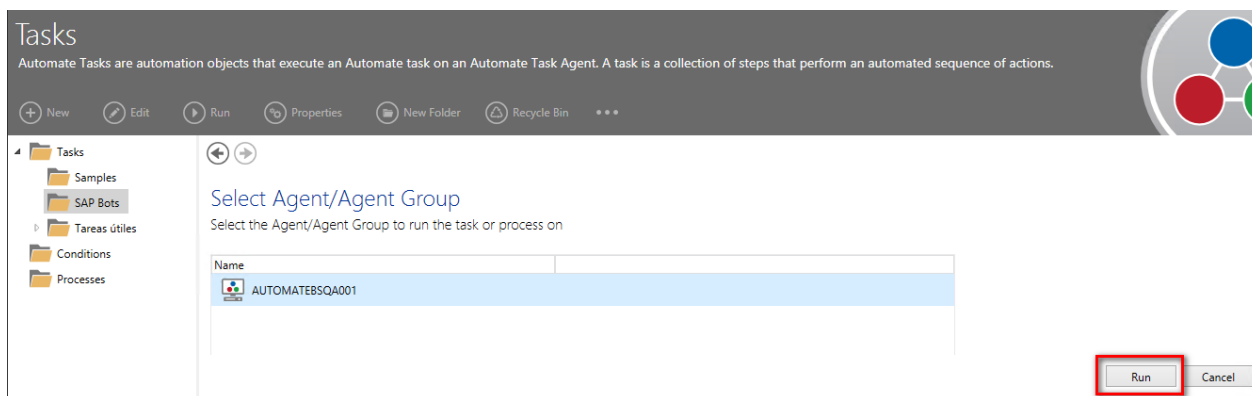
[Save and close](#) the task.



Select the task and click on **Run**.



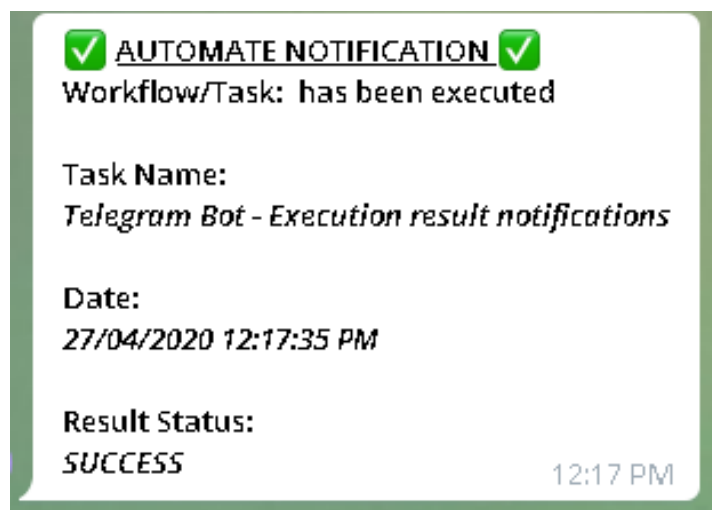
Select your **Agent** and click on **Run** again



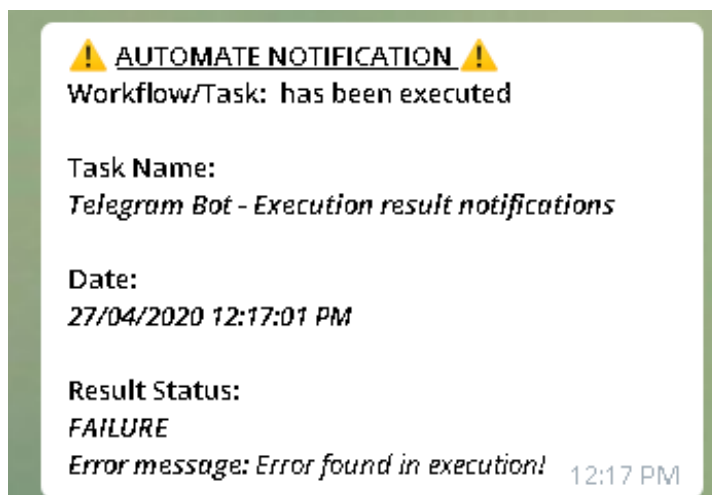


APPENDIX A – TELEGRAM NOTIFICATIONS EXAMPLES

When execution succeedss:



When execution failure:





APPENDIX B – TROUBLESHOOTING

- Logs: Each iteration of our ~~botBOT~~ creates a Log file for troubleshooting. You can locate the log file under C:\Automate\Tasks\<<TASK NAME>>. By Default, the task name is *Telegram Bot - Execution result notifications*.



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