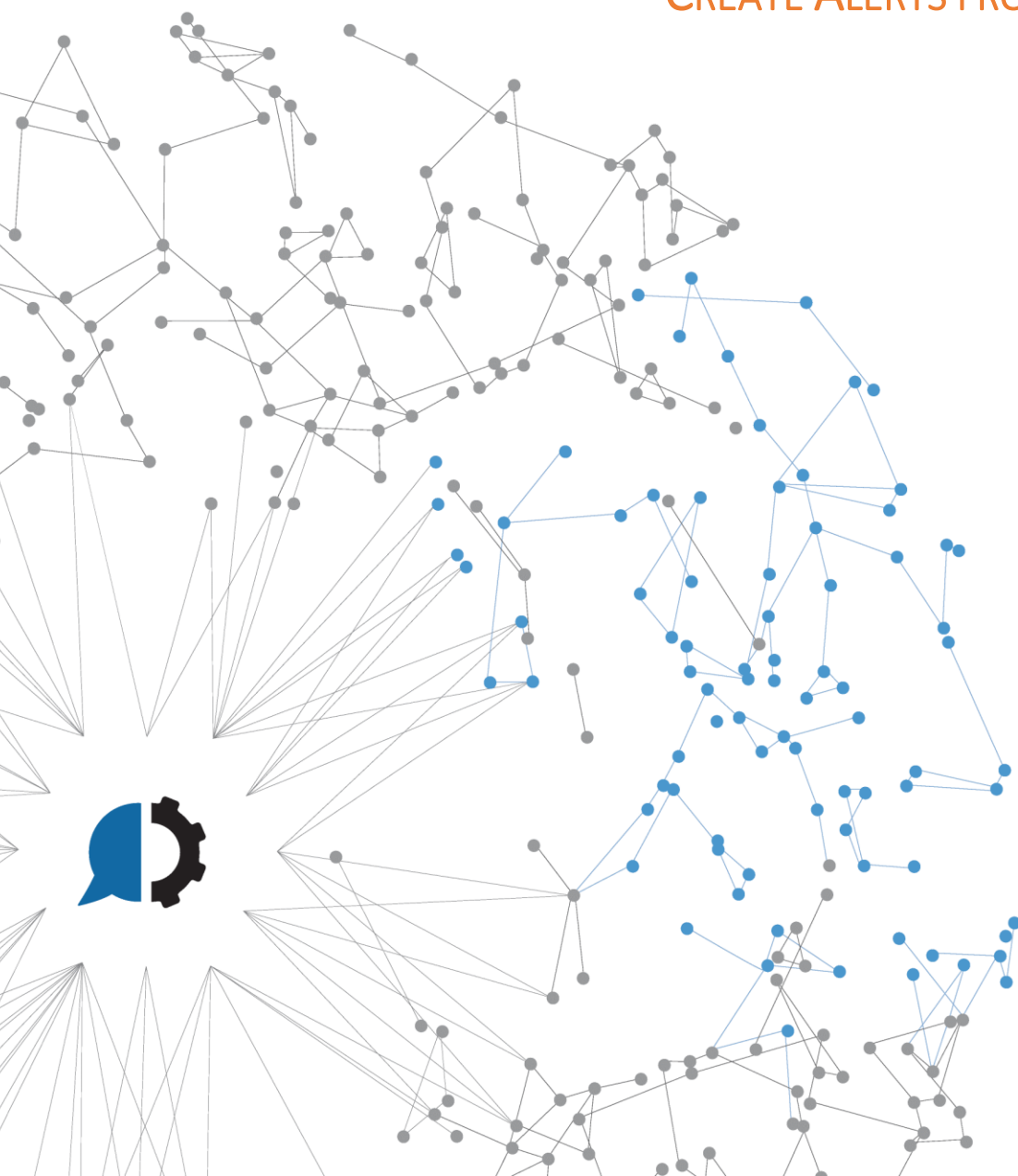




OPSGENIE BOT

CREATE ALERTS FROM EXCEL INPUT





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OVERVIEW

This how to guide introduces the *Opsgenie Bot - Create Alerts 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 manual steps which greatly reduces the 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 ***Opsgenie Bot - Create Alerts from Excel INPUT*** is based in the Opsgenie REST API. It creates alerts in Opsgenie by executing the “*tickets*” HTTP method and updating the input Excel file with the results. This bot uses an API key authentication method to avoid using username and password. Look over the [PREREQUISITES](#) and the [HOW TO GENERATE THE INPUT FILE](#) sections to get detailed information.



PREREQUISITES

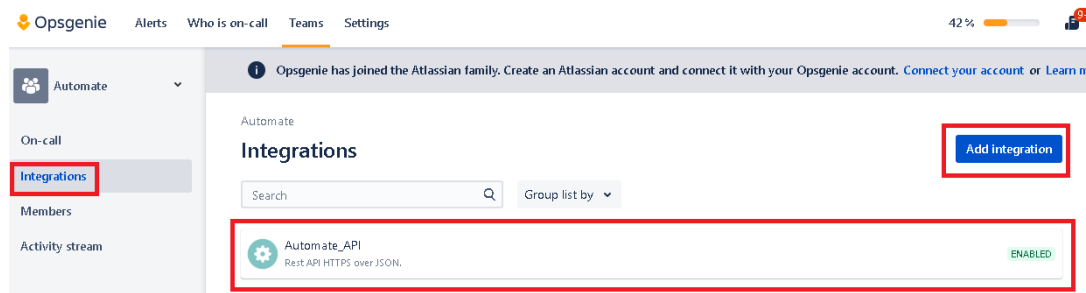
- **Automate:** The Opsgenie bot depends on Automate software in order to work. The minimal supported versions are:
 - [Automate Ultimate 11.2](#)
 - [Automate Plus 11.2](#)
 - [Automate Desktop 11.2](#)
- **Automate Markup Language file (.AML):** The primary file type used in Automate which contains the steps of our Opsgenie bot task
- **Opsgenie:** Our minimal requirements are:
 - **Opsgenie Integration created and enabled for your team:** It is possible to create an API key by going to the Opsgenie settings menu and then to the API key management; however, it is recommended to create it from the Team Dashboard. This way you will be able to manage various API keys and associate them to particular teams within your organization. All the members in that team will be notified of any alert that was created or modified. You can get further information in the next [Opsgenie link](#).

For creation you can follow the next steps:

1. Go to the Teams dashboard, select or add a new team.



2. Go to Integrations and create a new one:





3. Complete the settings for your integration. Check the Enabled box and the access authorization depending on what Automate bot you are going to use. For example, if you will only list alerts, you can leave only the “Read Access” option checked, for creation and updating you will need the “Create and Update Access.”

Automate / Integrations



Automate_API (API)

Opsgenie Web API allows you to interact and integrate with Opsgenie from any source using its RESTful architecture. You may refer [here](#) for our API dashboard and detailed documentation for each of Alert, User, Group, Team, Escalation, Schedule, Schedule Override, Forwarding Rule, Heartbeat, Integration and Policy APIs.

[Lamp](#), a command line utility that makes use of the Alert API, can also be used to integrate with Opsgenie via the API.

Settings

Name:

Automate_API

API Key:

bd525870-fl



Read Access:



Create and Update Access:



Delete Access:



Restrict Configuration Access:



Enabled:



Suppress Notifications:



4. Copy the generated API key and save the integration.

Suppress Notifications:



Opsgenie parses your data to construct rich and informative alerts. You can use dynamic fields to customize alert tags, extra properties and priority. You can either use the default values that we suggested or use the following incoming data fields to construct your dynamic fields. Please use each incoming data field in double-curly braces. For more information, visit [Dynamic Fields](#) guide.

[Show more](#)

Tags:

{{tags}}



Extra Properties:

{{extraProperties}}



[+ Add extra properties](#)

Priority:

{{priority}}



Save Integration

Cancel



- **Opsgenie API Key:** The API key generated when creating the integration.
- **Opsgenie API Version:** This bot was created using the API v2.
- **Automate constants to be created to set the Opsgenie connection values:**
 - **const_OpsgenieRegionDomain:** Opsgenie URL for API connection. It represents your specific region from which you connect to the Opsgenie API (Provided by [Opsgenie](#)).
 - Example: <https://api.eu.opsgenie.com> for EU data center and <https://api.opsgenie.com> for US data center.
 - **const_OpsgenieApiKey:** Opsgenie API Key to execute the connection/request with.

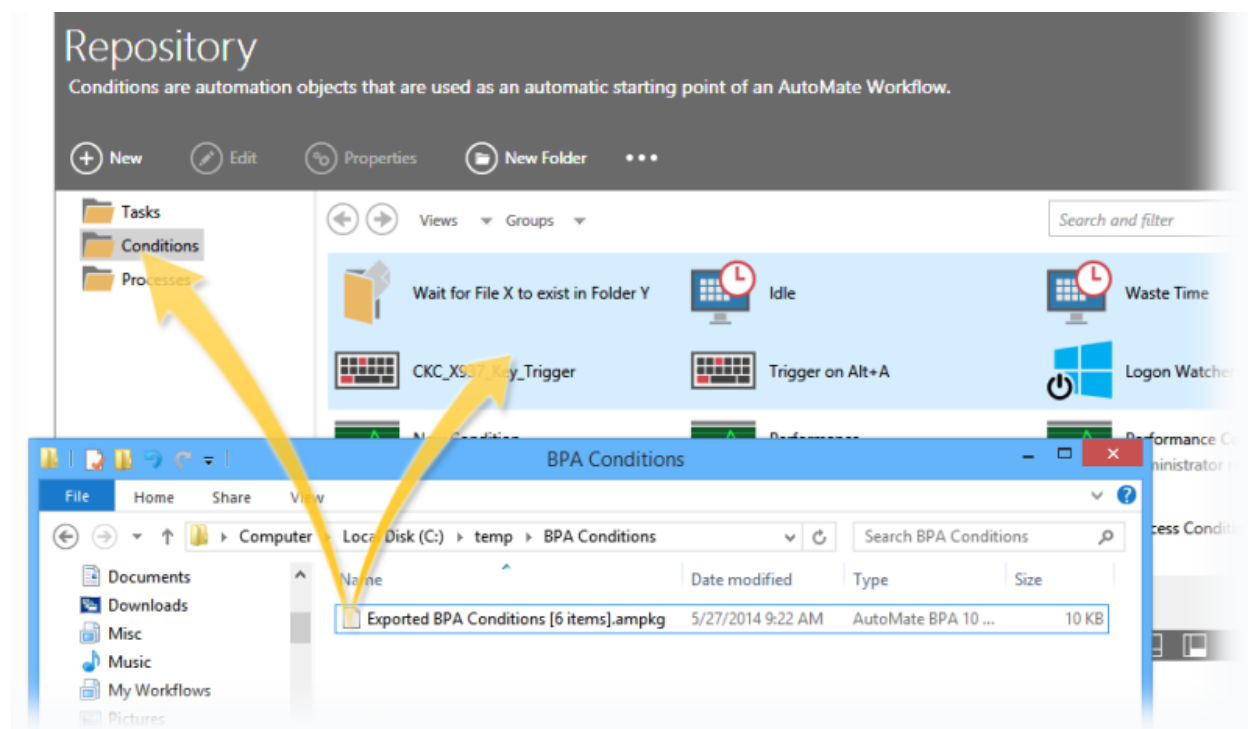


HOW TO IMPORT AN AUTOMATE TASK

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 **“Opsgenie Create Alerts INPUT.xlsx”** shipped with the Opsgenie bot provides a self-explanatory guide to complete all the fields in your transaction automatically.

The Opsgenie create Alert screen:

Create alert

☒ Show advanced fields

API integration ⓘ

Default API

Alert message ⓘ

130

Priority

P3-Moderate

Responders ⓘ

Search..

Tags ⓘ

Description ⓘ

15000

Alias ⓘ

Entity ⓘ

Entity

Actions ⓘ

Extra properties ⓘ

Name

Value

Cancel

Create



The Excel INPUT file

	A	B	C	D	E	F	G	H	I
1	OpsGenie - Alert Fields								
2	Message (Must be unique)	Description	Alias (Must be unique)	Tag Only one is supported	Priority Possible values are P1, P2, P3, P4 and P5. Default value is P3 (if Blank)	Entity	User Name of the request owner	Source	Note

J	K	L	M
Created?	Result Details		
Yes/No	Date	Alert ID	Request ID / Result Message

NOTES:

- All the alerts will be created with status “Open”.
- **Red fields** are mandatory.
- Columns J to M in the INPUT file will be filled with the result of the execution, the alert ID and the request ID in Alert the creation is successful. See [APPENDIX A](#) for an example on the resulting.

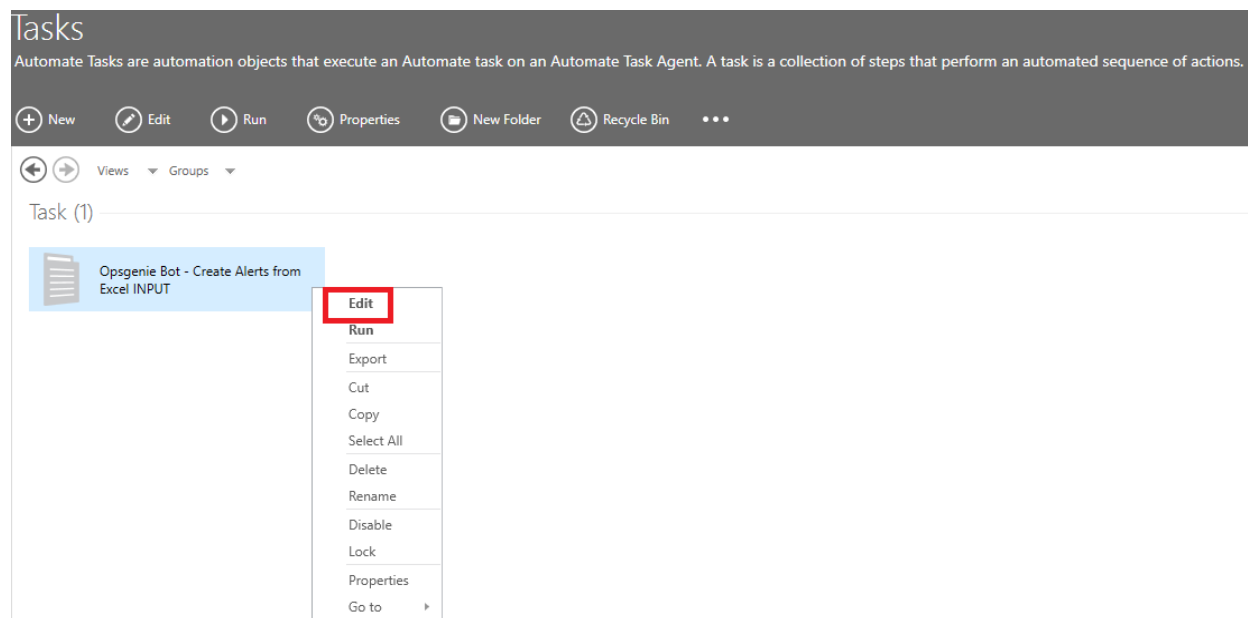


HOW TO EXECUTE THE OPSGENIE BOT - CREATE ALERTS FROM EXCEL INPUT

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](#)



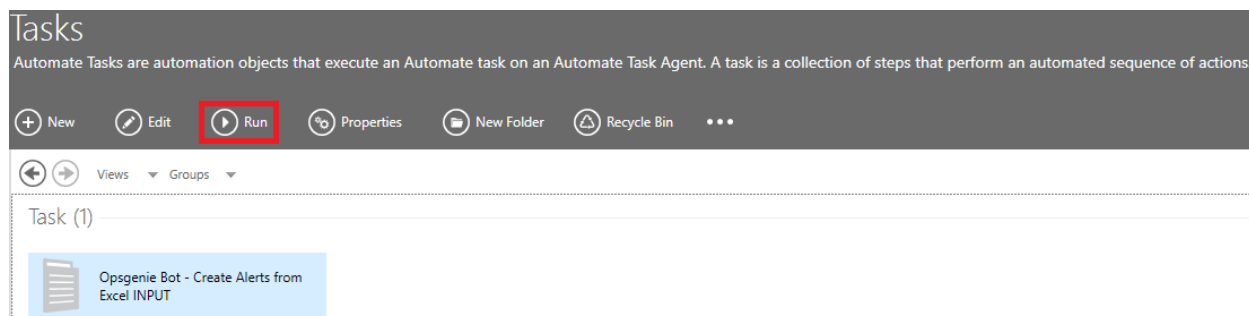
From [step 2](#) edit the next variables according to your desired output:

- [var_ExcelInputFile](#): The complete path and filename of the Opsgenie Create Alerts INPUT.xlsx.
Example: ***"D:\Automate\Opsgenie Create Alerts INPUT.xlsx"***

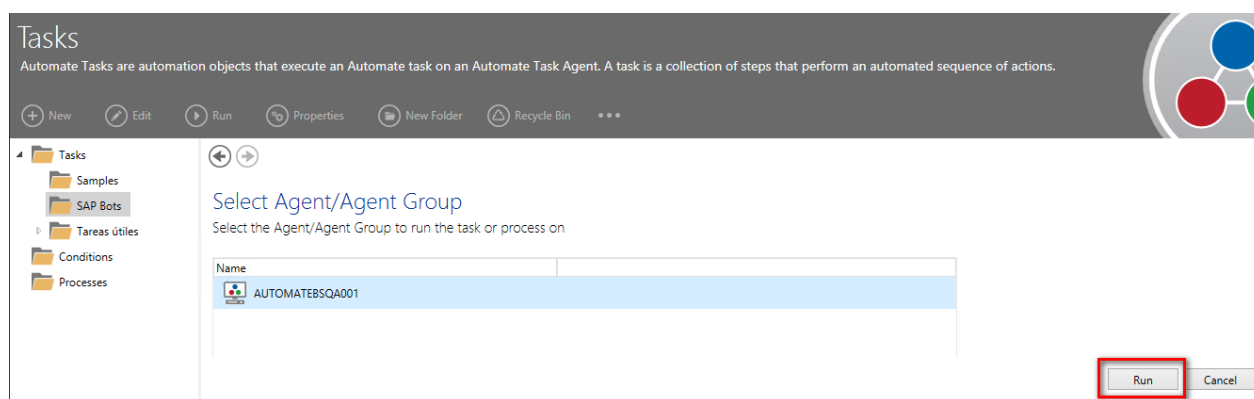
[Save and close](#) the task



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



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





APPENDIX A – OPSGENIE ALERTS VIEW AND EXCEL EXAMPLES

INPUT Excel file with results:

	A	B	C	D	E	F	G	H	I
1	OpsGenie - Alert Fields								
2	Message (Must be unique)	Description	Alias (Must be unique)	Tag Only one is supported	Priority Possible values are P1, P2, P3, P4 and P5. Default value is P3 (if Blank)	Entity	User Name of the request owner	Source	Note
3	Automate Test1	This alert was created by AutoMate	Automate Test1	Automate Bot	P1	General	AutomateBot	Automate Bot	This alert was created by AutoMate
4	Automate Test2	This alert was created by AutoMate	Automate Test2	Automate Bot		General	AutomateBot	Automate Bot	This alert was created by AutoMate
5	Automate Test3	This alert was created by AutoMate	Automate Test3	Automate Bot	P3	General	AutomateBot	Automate Bot	This alert was created by AutoMate

J	K	L	M
Created?	Result Details		
Yes/No	Date	Alert ID	Request ID / Result Message
YES	30/04/2020 2:52:26 PM	65558c70-e901-4794-950b-76cc63dda47d-1588269143815	e5da508b-b424-45cd-878f-9e5c0da04a3c
YES	30/04/2020 2:52:30 PM	4d2e4168-e538-48a5-a32e-d12e825d8ff1-1588269147724	0668a570-0efd-4625-9b18-54aeea2952b6
YES	30/04/2020 2:52:32 PM	80870e02-8650-4720-9518-f58ceb429df0-1588269150548	17f1c4d1-e105-4922-8189-8331f8f00683

Note that the execution result is written from column J to M. Column L will have the internal ID of the Alert created in Opsgenie and the column M will have the request ID.

Opsgenie Alerts view result:

Alerts

Create alert ...

{q} status: open ? Search Save ...

☒ See all alerts ☐ Select < Apr 28, 2020 4:48 PM - May 5, 2020 4:48 PM > Last Week

Saved searches

PREDEFINED

All

Open

Closed

Un'Acked

Not seen

Assigned to me

☐ #43 P3 Automate Test3

x1 Automate Bot

Automate

OPEN

Ack Close ...

May 4, 2020 5:52 PM

☐ #42 P3 Automate Test2

x1 Automate Bot

Automate

OPEN

Ack Close ...

May 4, 2020 5:52 PM

☐ #41 P1 Automate Test1

x1 Automate Bot

Automate

OPEN

Ack Close ...

May 4, 2020 5:52 PM



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 *Opsgenie Bot - Create Alerts from Excel INPUT*.



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