

Will Power Automate replace us?

Katerina Sarycheva

DATA SATURDAY
Sofia, Oct 08th



Speaker Bio

Katerina Sarycheva

- Born in Minsk, living in Prague
- BI Consultant
 - Several DW in Finance sector
 - SQL Server/Oracle, Metadata driven ETL, Power BI
 - 5+ years experience
- Have no time to do the office work



NESS Czech

We **digitalise** both
public and the corporate processes.

We introduce and develop
modern information technology.

Thanks to our Sponsors



Agenda

1. What is the Power Automate?
2. A workflow from scratch in Power Automate for web
3. Flow management and sharing

What is the
Power Automate?



DATA
SATURDAYS



Microsoft Power Platform

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.

Microsoft Power FX language



Power BI

Business analytics



Power Apps

App development



Power Automate

Process automation



Power Virtual Agents

Intelligent virtual agents



Power Pages

External-facing websites



Data connectors



AI Builder



Dataverse

<https://powerplatform.microsoft.com/>



Power Automate



Power Automate for web



Power Automate for MS Teams

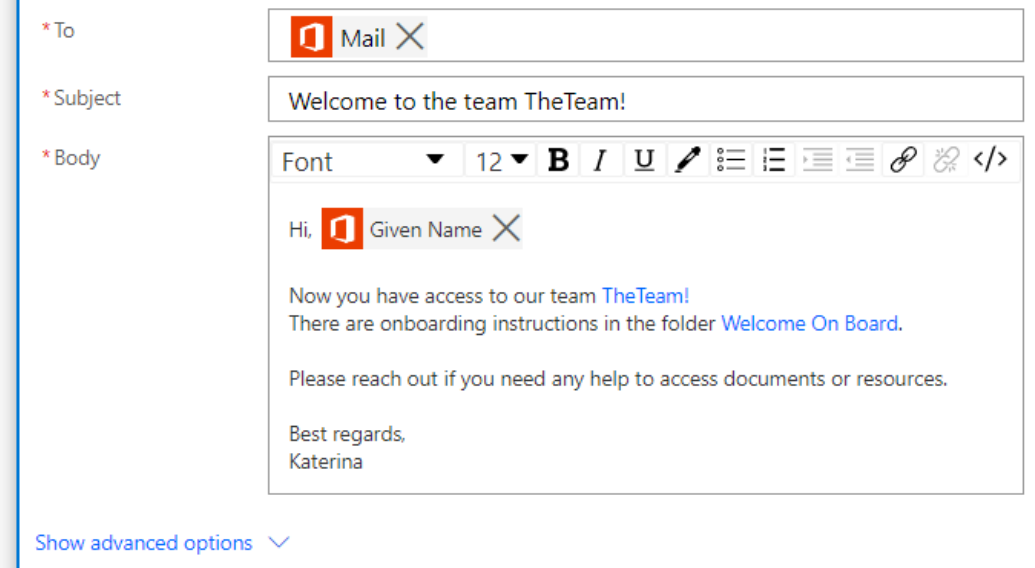


Power Automate for desktop



Power Automate for mobile

Work less, do more





Activity



Chat



Teams



Calendar



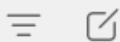
Apps



Help



Chat



Recent



Jan TheColleague
How you doin'?

9:14 PM



Power Automate
CreateReleaseEvents has loaded ...

10/5



Katerina Saryceva (You)
You: aaa

10/2



Power Automate Chat 5 more



Power Automate Sunday 7:21 PM

I can run any flow that's:

- triggered on a schedule
- manually triggered with no inputs

For the default environment, I can run:

1 : Timesheet_D-1

Sunday 7:21 PM
Describe flow 1



Power Automate Sunday 7:21 PM

The description for flow "Timesheet_D-1" is : Runs every day at 06:00 and loads Outlook events for the previous day to an Excel table. Events are filtered: only "Busy" and "Free" types are processed. Workflow requires a table named tTimesheet. Workflow requires an OfficeScript in Excel to clear table filters..

Type a new message



 Subflows

Main

The 'Display input dialog' action prompts you to enter the address of the website you want to launch.

Display input along with message "Please provide website address to launch.." in the notification popup window with title "Website address" and store the user's input into `URL` and button pressed into `ButtonPressed`

The following 'If' action checks whether the 'Cancel' button was pressed in the input dialog. If not, the flow launches the specified web page.

▼ If ButtonPressed <> 'Cancel' then

The 'Launch new Microsoft Edge' action launches the specified web page in a maximized window.

Please note that the Power Automate browser extension is...

Launch Microsoft Edge, navigate to **URL** and store the instance into **Browser**

7

$\times$	$\{x\}$
----------	---------



There aren't any input or output variables here yet



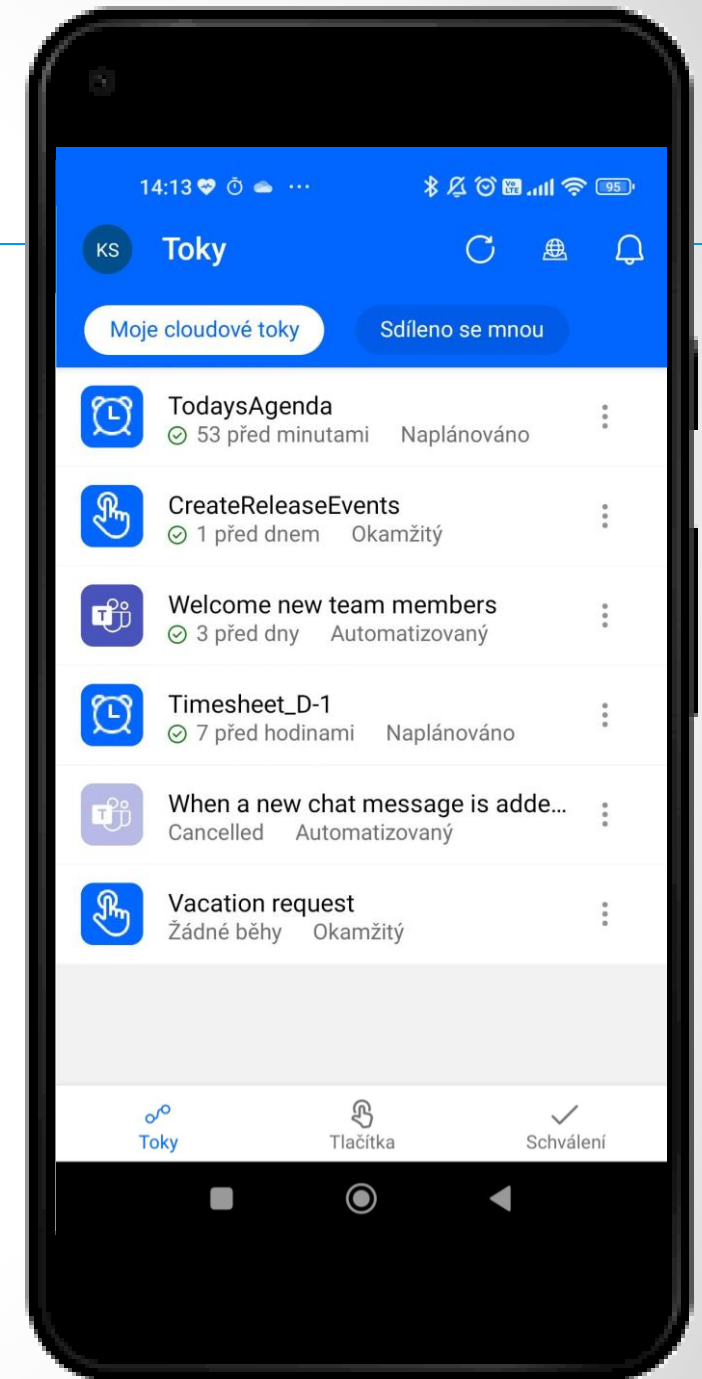
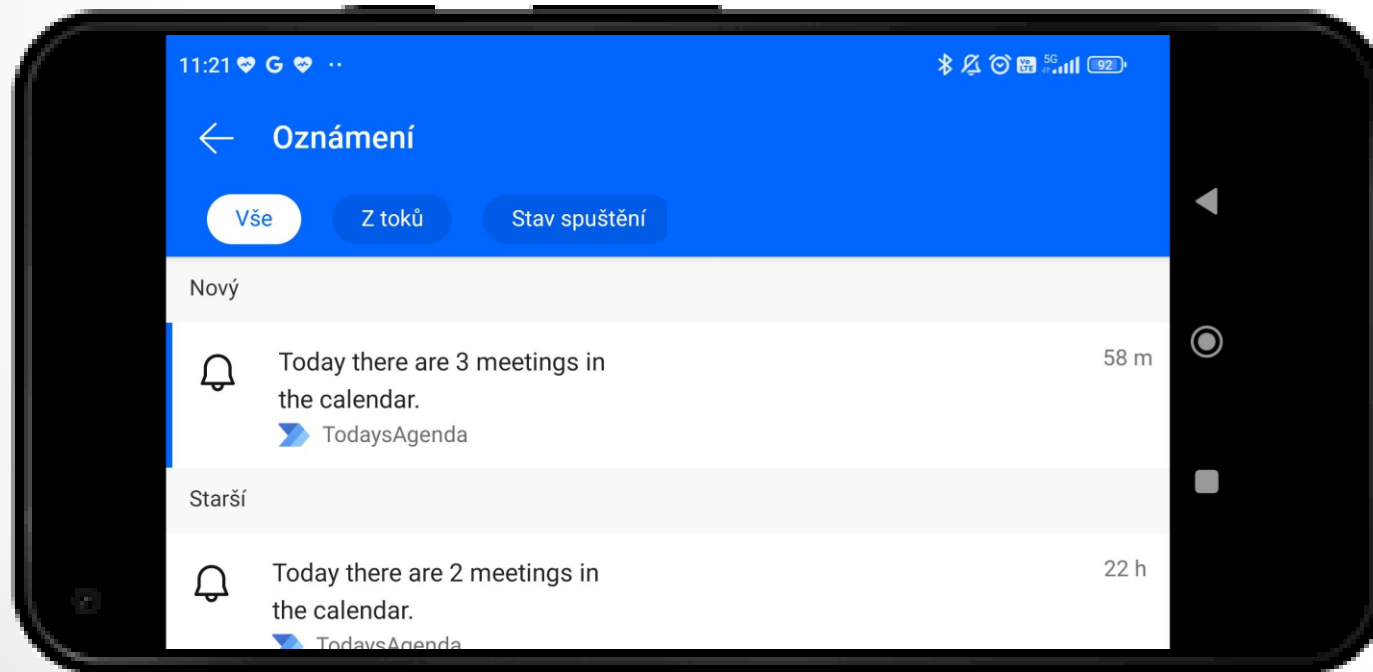
{x} Browser

{x} ButtonPressed

{x} URL

- Scripting

Power Automate for mobile



Licensing

Licensing Guide ([8 pages](#))

- Free licence
- Standalone licenses
 - Per user
 - Per flow run
- Limited capabilities are included within
 - Windows,
 - Office 365,
 - Power Apps,
 - Dynamics 365 licenses

Check out your current license

Microsoft 365 Business Standard

My licenses

 Power Automate for Office 365

 Power Automate Free

Capabilities

✓ Standard connectors

✗ Premium connectors

✗ Custom connectors

✗ On-premise connectors

✗ Robotic process automation (RPA) - attended

✗ Robotic process automation (RPA) - unattended

✓ Business process flows

✗ AI Builder

✗ Process advisor

Use cases

- Office 365
 - Create Outlook events in bulk
 - Send a regular email reminder
 - Load Outlook events to an Excel
- Approvals
 - Vacation requests
 - Expense approval
- Get data from any API
 - Get a Chuck Norris joke as a respond in a Teams message
- Conditionally Move files in your PC



Flow types

Cloud flows

-  [Instant flows](#) – triggered manually
-  [Scheduled flows](#) – runs on a schedule
-  [Automated flows](#) – triggered by some event

Desktop flows

-  [A flow in your PC](#) – attended x unattended

Business process flows

-  [Guiding the user in a complex process](#)

Questions?

- Power Automate is a member of the Microsoft Power Platform
- Power Automate is about saving your time and integration
- There are 4 applications: Web, MS Teams, Desktop and Mobile
- Flow types depend on triggers and web/desktop usage
- You probably have a limited, but useful Power Automate licence

Power Automate for web



DATA
SATURDAYS

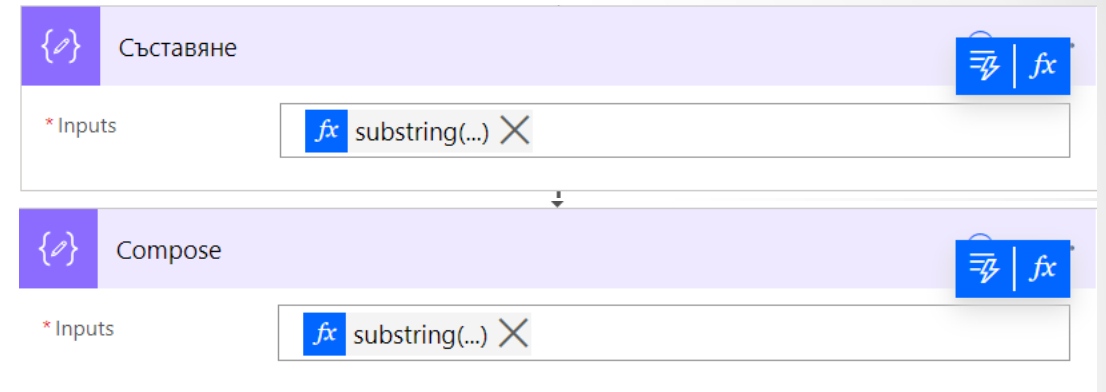
Lets go!

- <https://make.powerautomate.com/>



Recommendations for the beginners

- Prepare your data
- Change your language to English
- Search for the relevant template
- Rename your actions
- Try Experimental features
- When searching on the internet, check the tutorial's date



You might need some code!

Power Automate functions	<code>addDays(formatDateTime(utcNow(),'d'),-1)</code>
Odata filters	<code>Project eq '@{triggerBody()}'</code>
JSON basics	<pre>{ "Environment": "Test", "ReleaseDate": "2022-10-14T00:00:00.000Z", "Activity": "MDS check" }</pre>
Office Script	<pre>function main(workbook: ExcelScript.Workbook) { workbook.getTable("tTimesheet").clearFilters() }</pre>

Questions?

- A flow contains a trigger and following actions
- Most of the actions use some connector
- You don't need to be a programmer to make a flow
- Knowledge of Power Automate functions can simplify the flow

Flow documentation and management



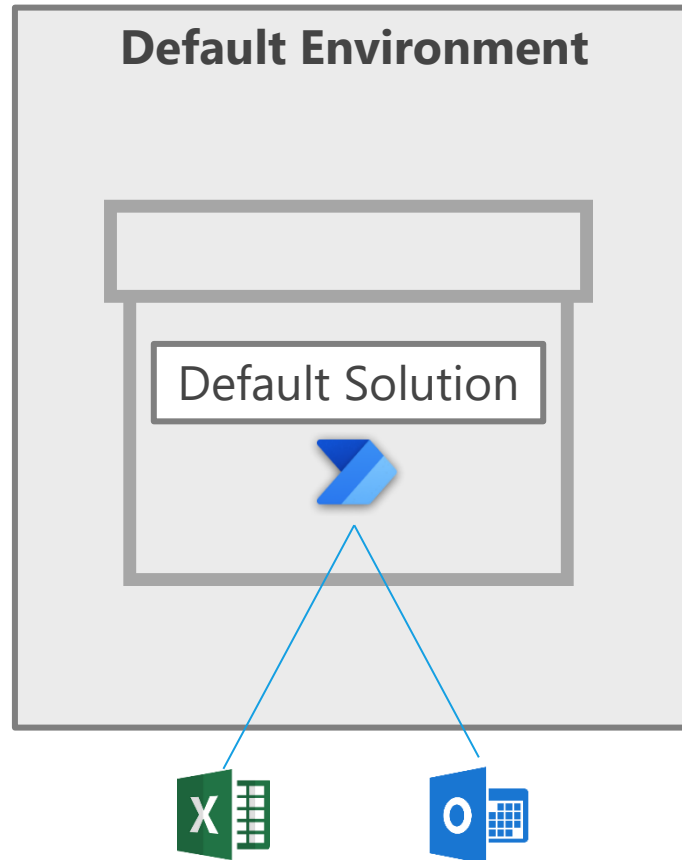
Documentation

- The flow is a diagram – use it so
 - Rename your actions
 - Use notes
- Add a flow description
- Think about naming conventions

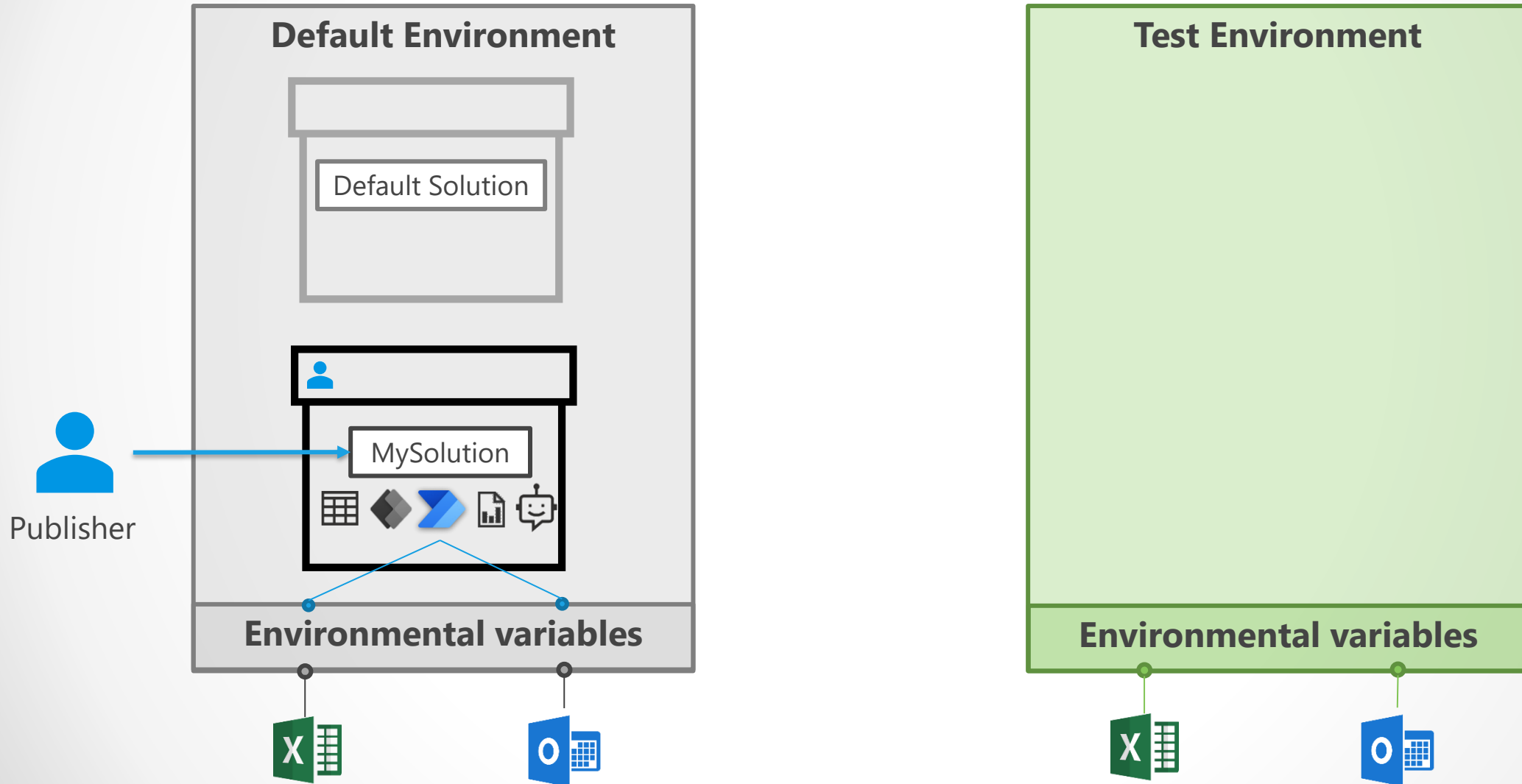
Sharing a flow

- Share
 - The same as add an Owner
- Send a Copy
 - The recipient will create his own flow based on yours
- Download zip and send
 - The recipient will import the zip and create his own flow
- Add a run-only user
 - The user will use your flow, the connector management is needed

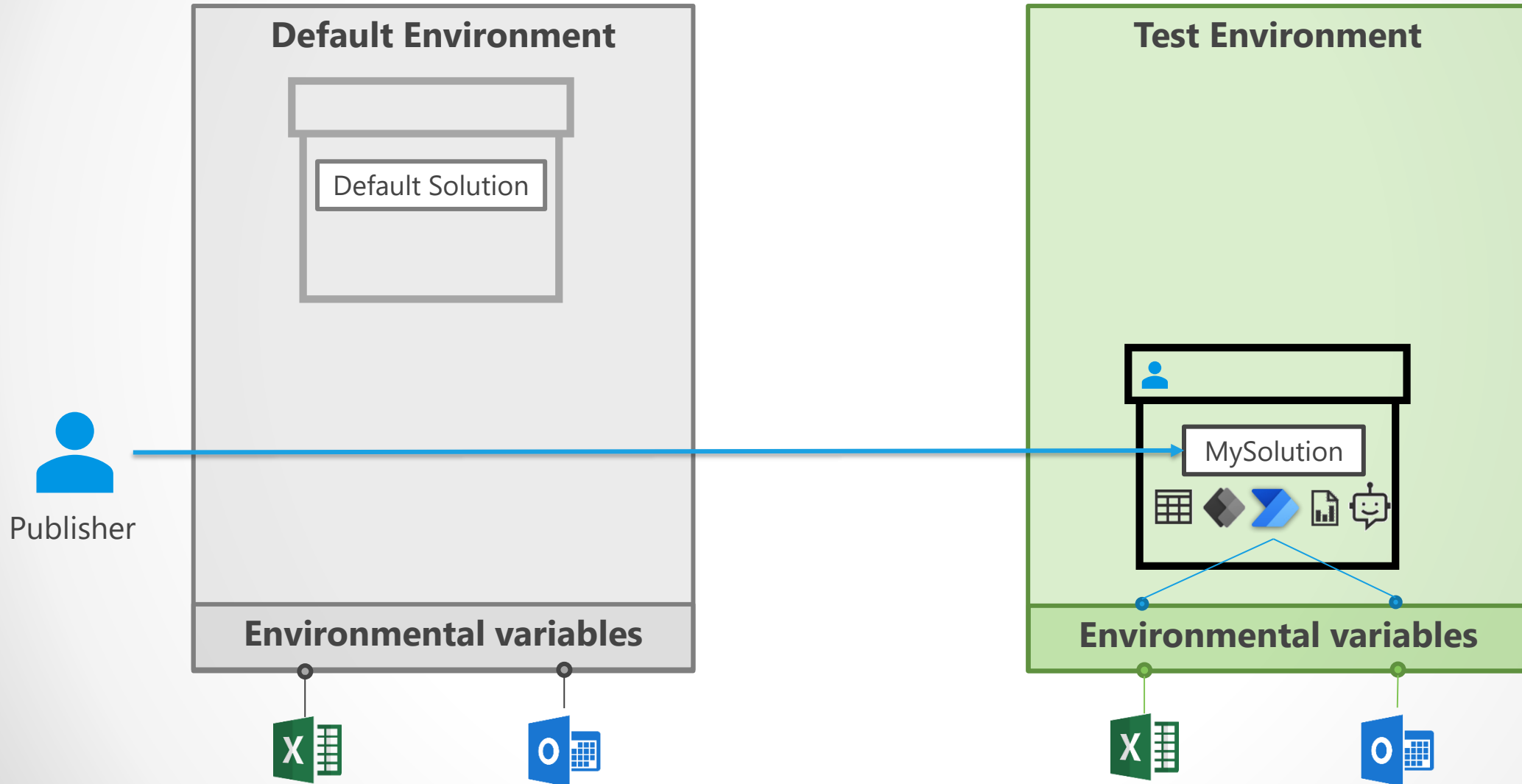
Where did my Flow go?



Custom Solutions



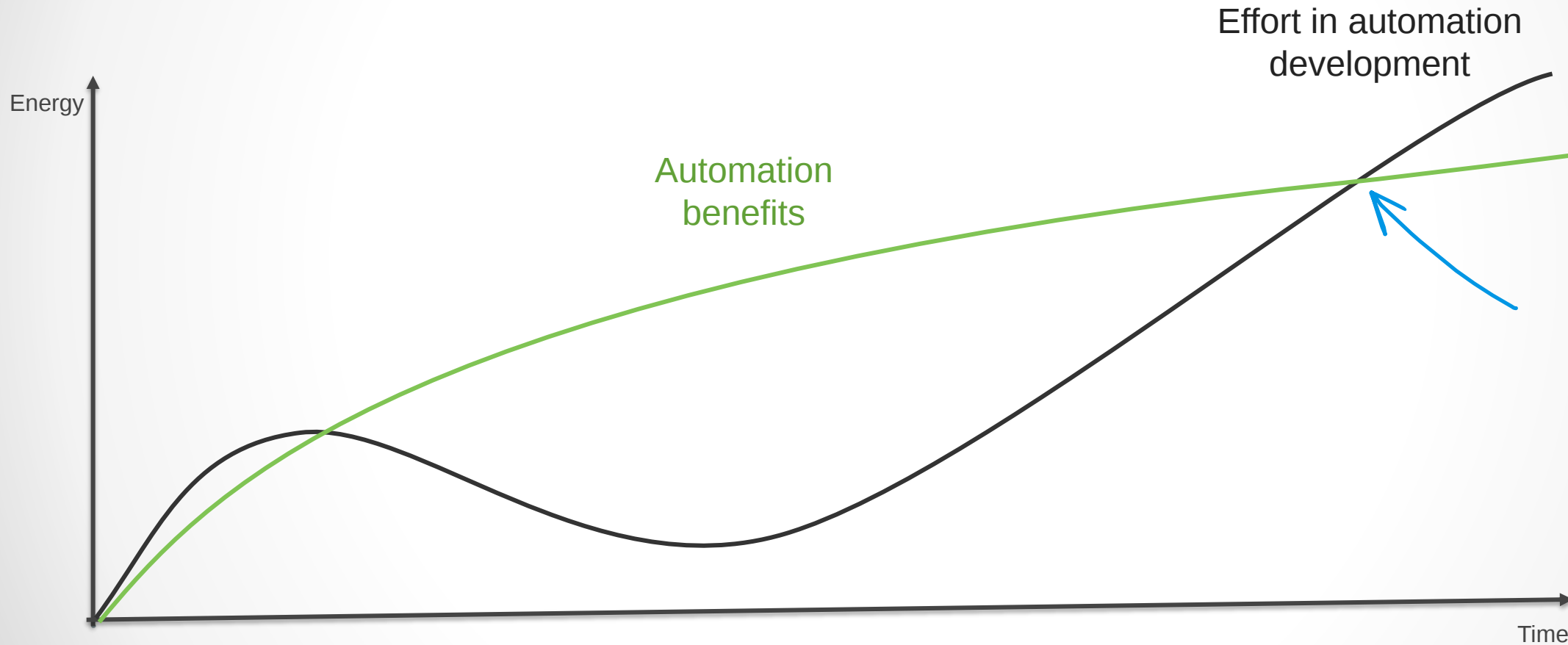
Custom Solutions



Questions?

- The flow is a documentation itself, but there is some work on metadata and naming conventions
- You can add owners, run-only users or send a copy of your flow
- There are default Environment and default Solution
- You can make custom Solutions and organise flows with other Power Platform deliverables

Will Power Automate replace us?



Work less, do more

Takeaways

Power Automate...

- will save your time
- is available to anyone
- is easy to learn
- is a Low-code solution
- has a wide range of connectors
- uses environments and solutions for ALM support

Upcoming Events

js.talks();

JSTalks, 2022

Nov 18-19

<http://jstalks.net/>

Thanks to our Sponsors

