# Dataset Extraction with REST API

"Make your data shine!"

# **SPEAKER**







Twitter @tpnRel1









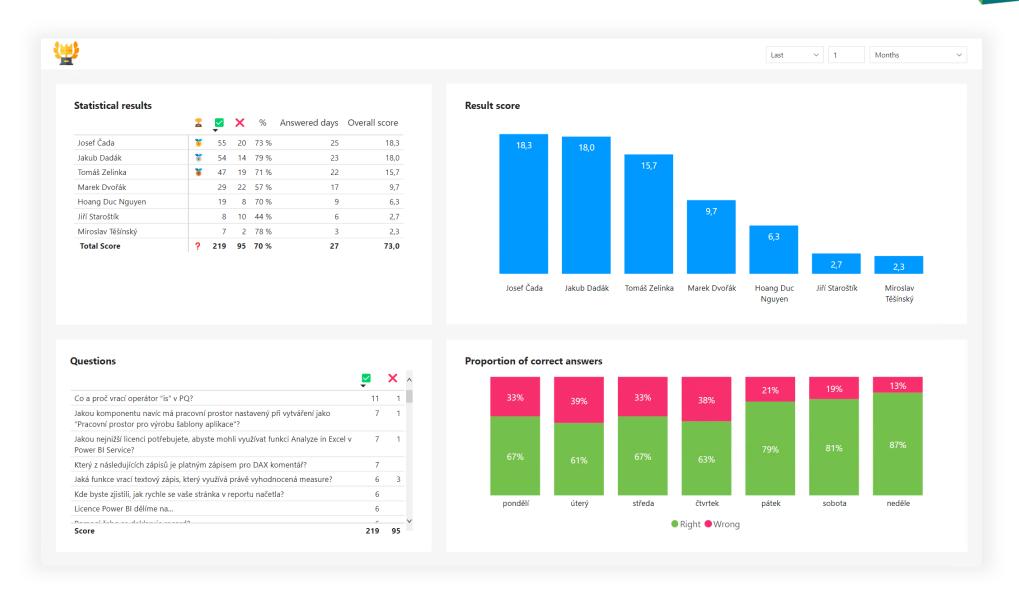


# AGENDA

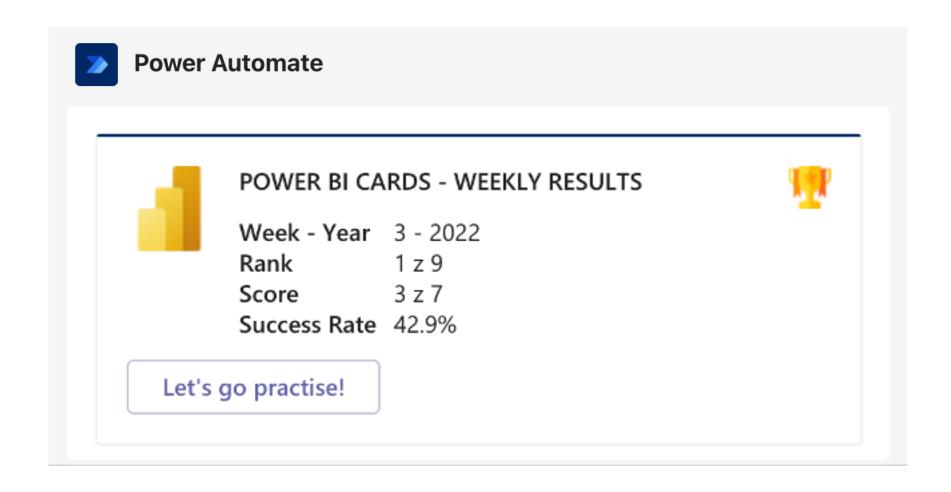
- Quick Demo
- REST API
- Purposes
- Limitations
- How to call it
- Working with outputs
- Demos



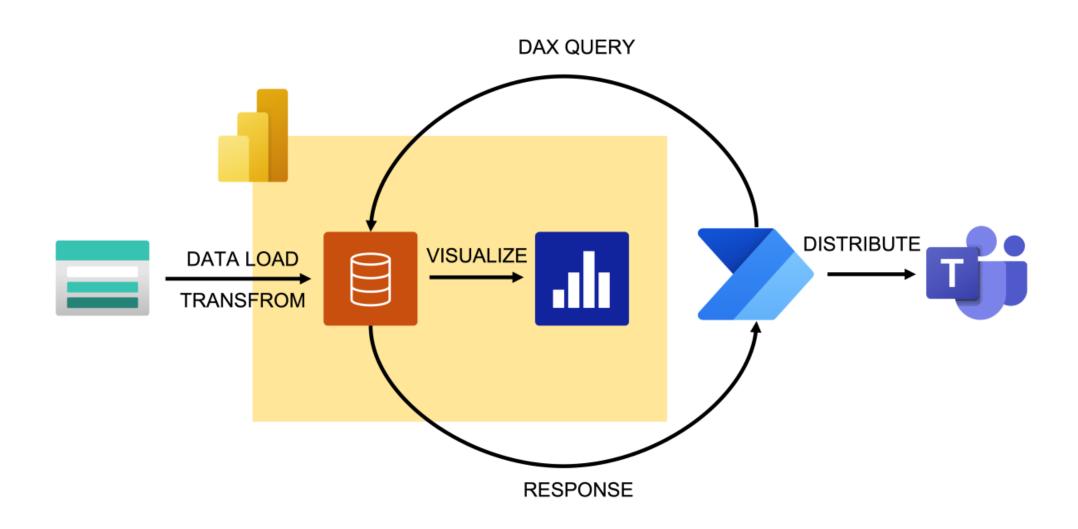
### So It could look like this



### So It could look like this

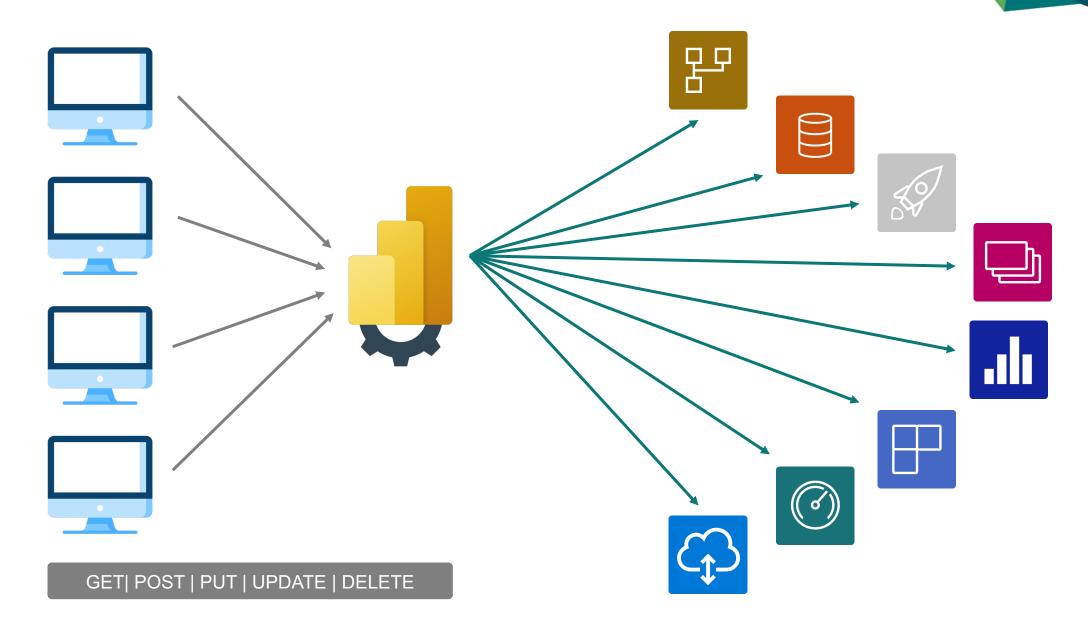


### **Schema of Demo**



# WHAT IS POWER BI REST API

## **POWER BI REST API**





# **Purposes**



Export Data



Testing Datasets



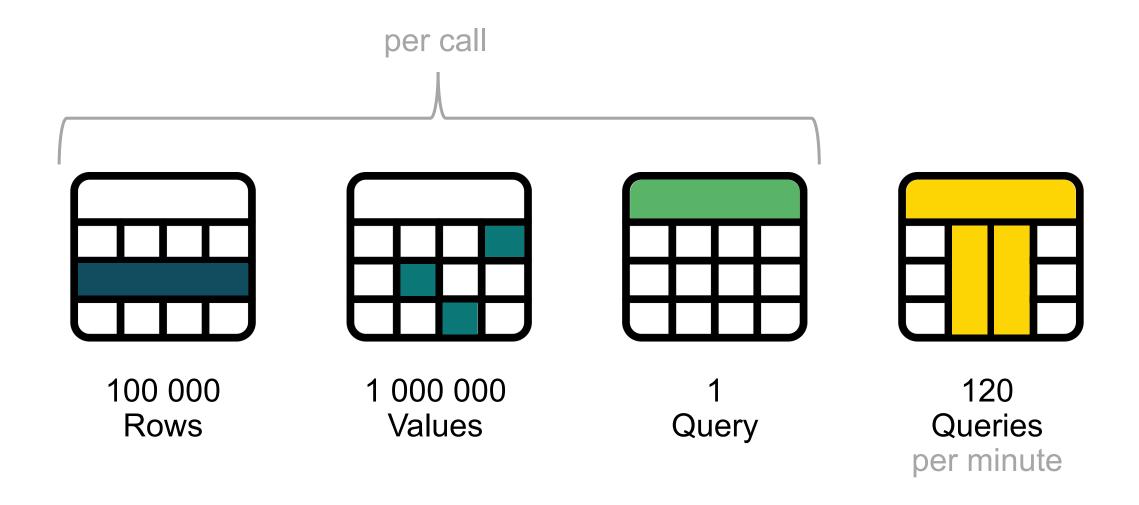
Automize Agenda By Data



Bring Data Closer to Users



### Limitations





# **Necessary settings**

ı	Dataset Execute Que Enabled for the entire					
	Users in the organizati through Power BI REST		ts by using Data A	nalysis Expressions (	DAX)	
	Enabled					
	Apply to:					
	<ul> <li>The entire organization</li> </ul>	ation				
	O Specific security gr	oups				
Except specific security groups						
	Apply	Cancel				

4	Allow service principals to use Power BI APIs  Enabled for the entire organization					
	Web apps registered in Azure Active Directory (Azure AD) will use an assigned service principal to access Power BI APIs without a signed in user. To allow an app to use service principal authentication its service principal must be included in an allowed security group. Learn more					
	Enabled					
	Service principals can use APIs to access tenant-level features controlled by Power BI service admins and enabled for the entire organization or for security groups they're included in. You can control access of service principals by creating dedicated security groups for them and using these groups in any Power BI tenant level-settings. <a href="Learn more">Learn more</a>					
	Apply to:					
	The entire organization					
	Specific security groups (Recommended)					
	Except specific security groups					
	Apply Cancel					

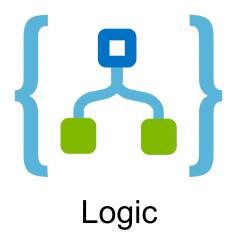
### Authorization?





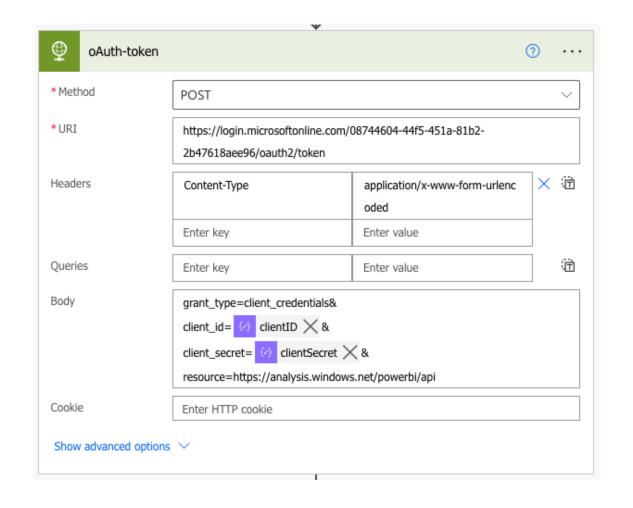
### **NATIVE CALLERS**

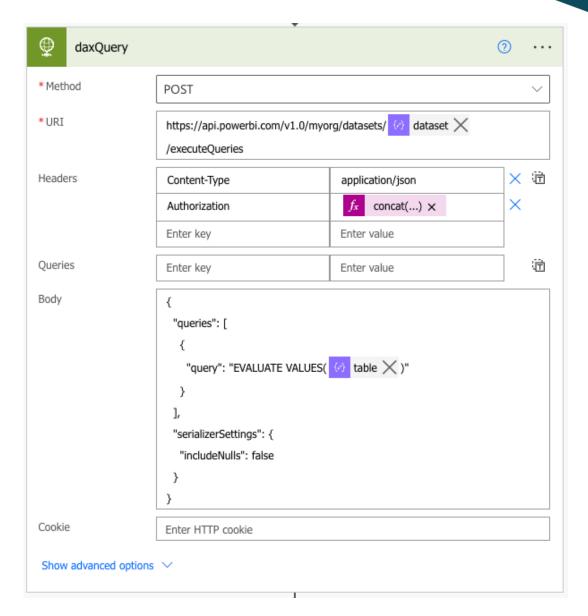




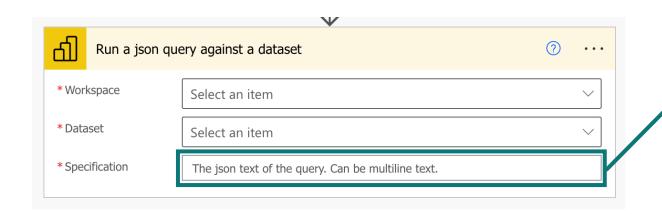
Apps

### **HISTORY**

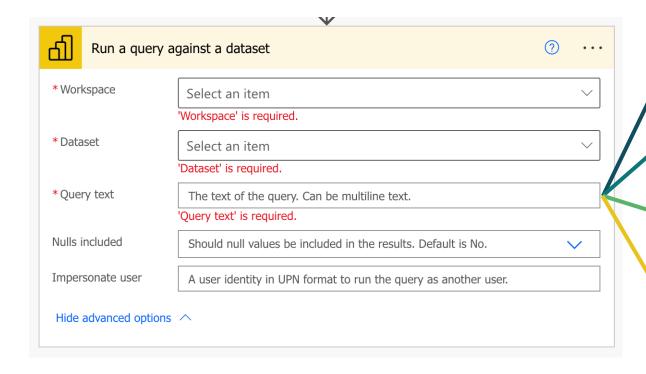




### **ACTUAL v1**



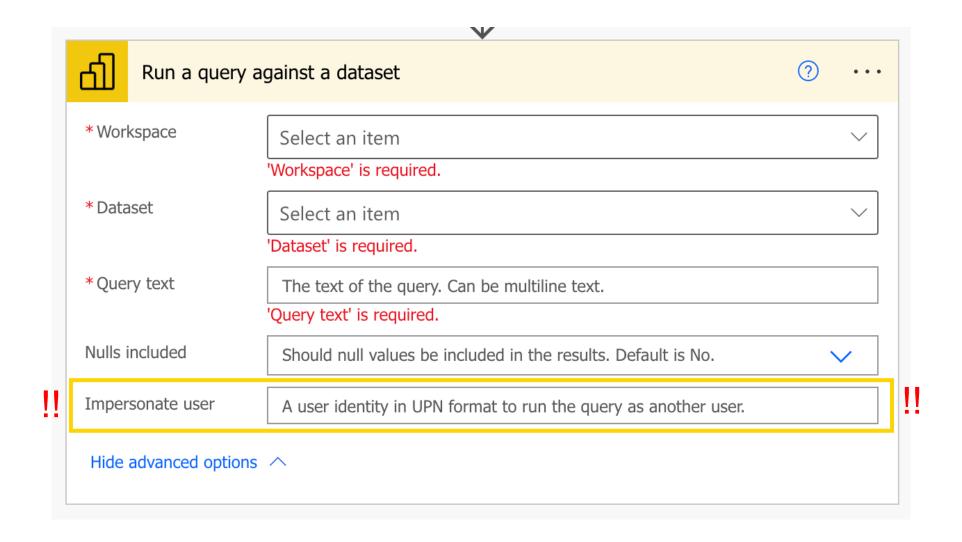
### ACTUAL v2



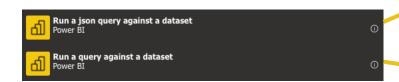
```
EVALUATE
lastWeek
EVALUATE
ADDCOLUMNS (
              lastWeek,
              "@forename", RELATED ( 'Employees'[Forname] )
DEFINE
   VAR t =
        ADDCOLUMNS (
           SUMMARIZE ( 'Employees', [Forname] ),
            "@counter", CALCULATE ( COUNTROWS ( pbiCardResults )
   VAR sum =
       SUMX ( t, [@counter] )
EVALUATE
{ _sum }
```

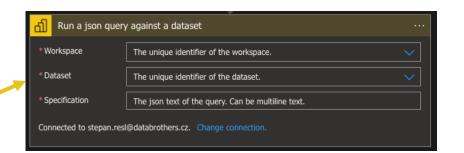
```
EVALUATE
TOPNSKIP ( 2, 3, lastWeek, lastWeek[Index], ASC )
```

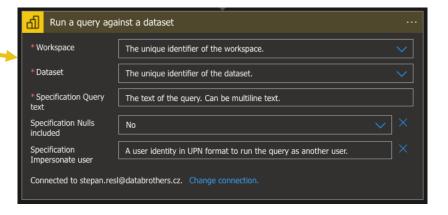
### ACTUAL v2



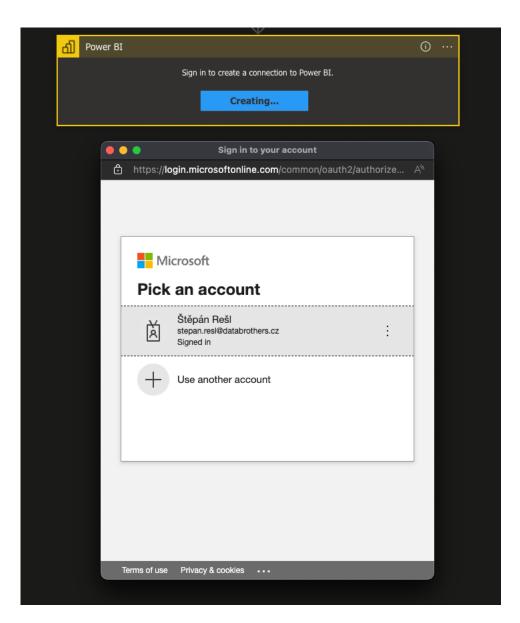
### **LOGIC APPS**



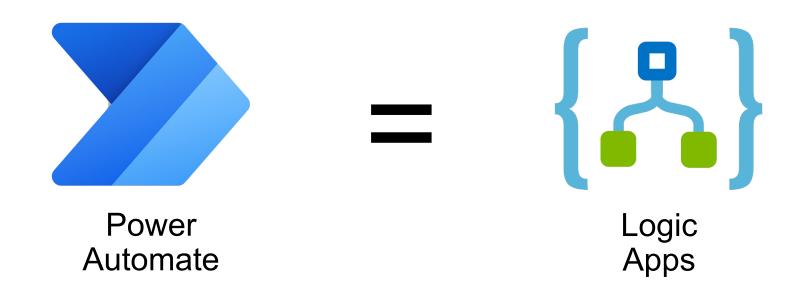




### LOGIC APPS

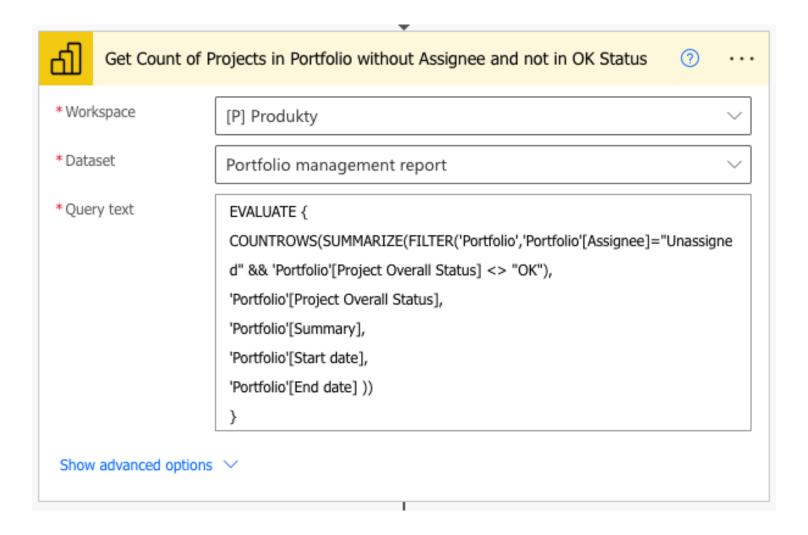


# Same capabilities

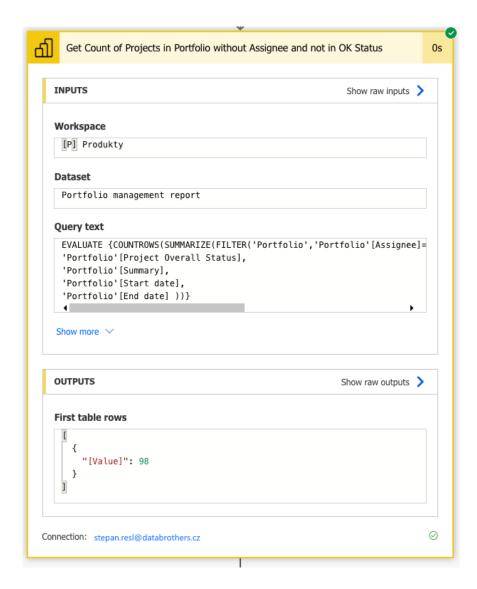


# Working with Outputs

# Working single row output



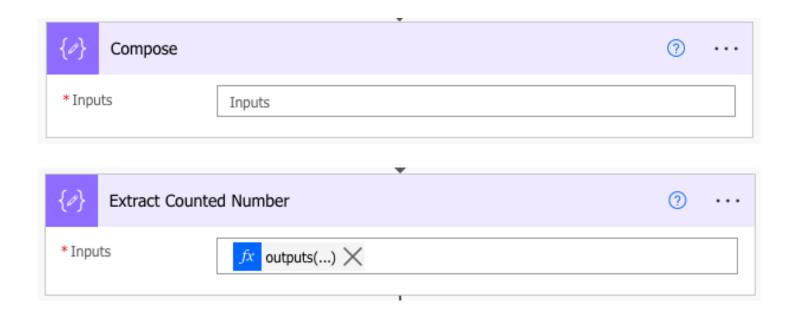
# **Working with Outputs**



# Extract by Apply to each

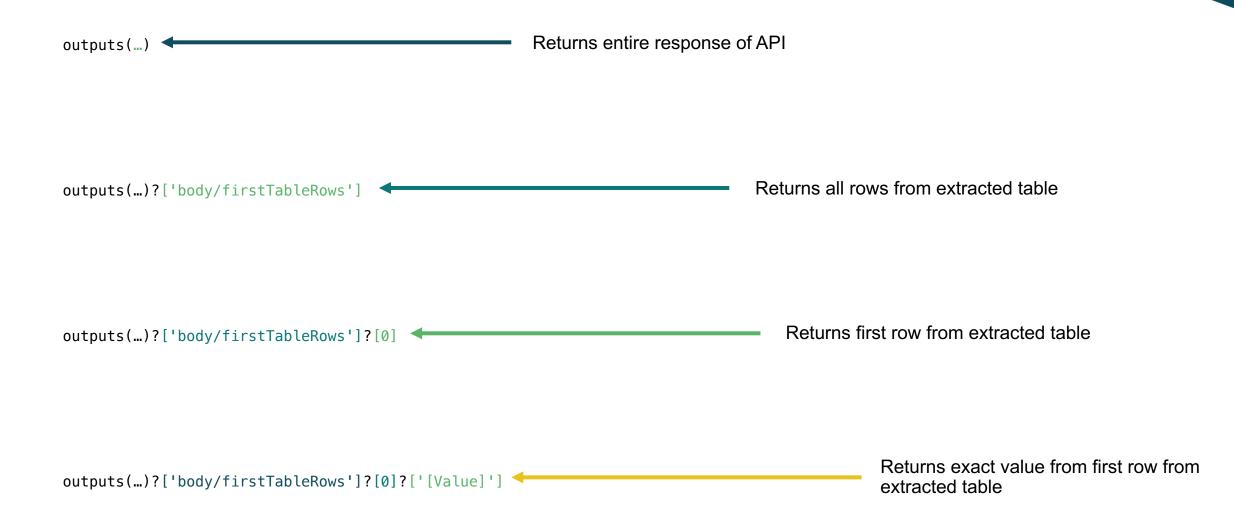


# **Extract by Compose**

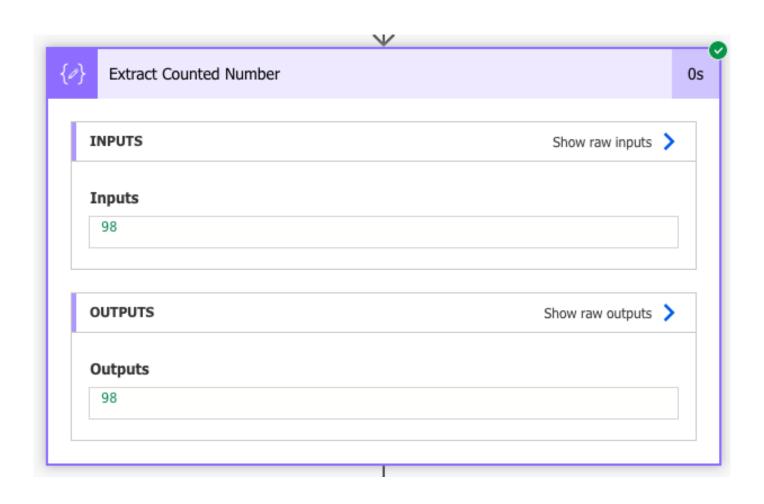


outputs('Get\_Count\_of\_Projects\_in\_Portfolio\_without\_Assignee\_and\_not\_in\_OK\_Status')?['body/firstTableRows']?[0]?['[Value]']

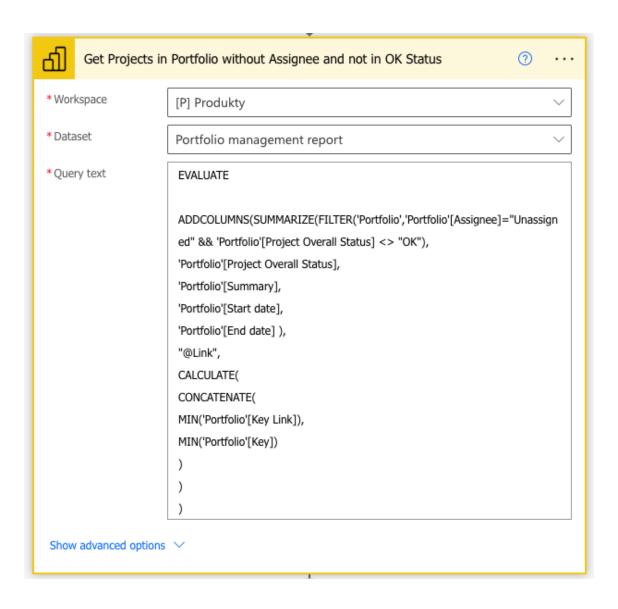
# **Extract by Compose**



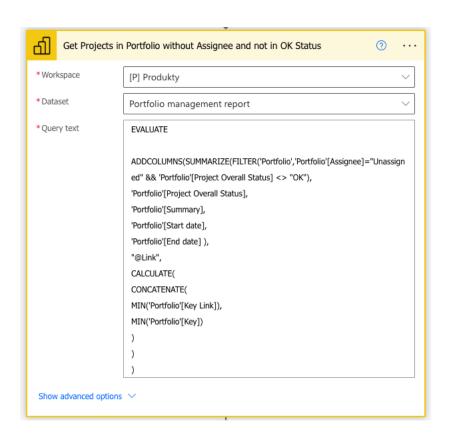
### **POWER BI REST API**



## Working with multiple row output



# Working with multiple row output



```
"Portfolio[Project Overall Status]": "N/A",
"Portfolio[Summary]": "Application Of Machine Learning Prediction Algorithm",
"Portfolio[Start date]": "2019-07-17T00:00:00",
"[@Link]": "https://reportee.cz/cs/HHH-9"
"Portfolio[Project Overall Status]": "ISSUE",
"Portfolio[Summary]": "Application Of Azure Synapse",
"Portfolio[Start date]": "2019-07-17T00:00:00",
"[@Link]": "https://reportee.cz/cs/HHH-9"
"Portfolio[Project Overall Status]": "RISK",
"Portfolio[Summary]": "Mining Worker Safety Helmet",
"Portfolio[Start date]": "2021-01-01T00:00:00",
"Portfolio[End date]": "2022-02-28T00:00:00",
"[@Link]": "https://reportee.cz/cs/HHH-134"
```



### Determining project owner assignments



Stage	Link	Summary	Status	Customer	Assignee	End date
Backlog						
HHH-214	@	Ecci Av Room Upgrades		IT	Karolína Farkasová	4/28/2022
HHH-134	@	Mining Worker Safety Helmet	ISSUE	IT	Unassigned	2/28/2022
HHH-101	@	Zoom Integration For Teaching		R&D	Unassigned	
HHH-118	@	Handwritten Digits Recognition	ISSUE	IT	Unassigned	
HHH-119	@	Shopify Project	ISSUE	R&D	Unassigned	
HHH-139	@	Rda Plenary 17	ISSUE	R&D	Unassigned	
HHH-175	@	Spoiler Blocker Extension	ISSUE	R&D	Růžena Flousková	
HHH-179	@	Gpu Refresh		OPS	Unassigned	
HHH-65	@	Health Monitoring System		MKT	Brendan Durham	
HHH-66	@	Stock Price Prediction	ISSUE	PMO	Unassigned	
HHH-67	@	Process Automation And Process Robotization		FIN	Vendula Francová	
HHH-9	@	Application Of Machine Learning Prediction Alg	ISSUE	OPS	Unassigned	
Initiation						
DDD-2	@	Bayes Hybrid Meeting Rooms		MKT	Monika Černá	3/31/2022
DDD-4	@	Hesa Staff Return - 20/21		IT	Grayson Beard	2/28/2022
FFF-2	@	Virtual Visits	ISSUE	FIN	Vendula Francová	2/28/2022
Development						
GGG-2	@	Expansion Of Appsed		OPS	Burhan Joyce	2/28/2022
BBB-7	@	Serengeti Bi-Annual Upgrade		FIN	René Burda	12/31/2021
∃ Funding						
HHH-69	@	Self-Driving Car		OPS	Karolína Farkasová	3/1/2023
HHH-192	@	Smart Parking System	ISSUE	IT	Miroslav Mládek	2/28/2022
HHH-210	@	Delegated Access To Grouper		OPS	Alfie-Lee Doherty	11/30/2021
HHH-125	@	Moodle Annual Upgrade	ISSUE	FIN	Cassia Marin	
HHH-211	@	Ct-Dht-Lg.09 Teaching Studio		OPS	Alfie-Lee Doherty	
HHH-80	@	Vernon Procurement Review		MKT	Brendan Durham	
HHH-81	@	Staff Rdp Mitigation		IT	Arjan Erickson	
<b>■ IT Evealuation</b>						
- HHH-243	@	Chancellors Fu305		IT	Karolína Farkasová	2/28/2022

Inactive

Deadline exceeded Deadline in 2M

TOPIC All

### Determining project owner assignments

Hello Andrea,

I am automatically generated an E-mail from a major company brain. But let's go to the point... You have 98 not assiggned project in your Portfolio that are not OK!!! You should assign them ASAP!

Here is table with that projects. Lets go to work.

Project Overall Status	Summary	@Link	End date	Start date
ISSUE	Holyrood Room Overflow Project	https://reportee.cz/cs/HHH-240		
N/A	Holyrood Room Overflow Project	https://reportee.cz/cs/HHH-240		
RISK	Holyrood Room Overflow Project	https://reportee.cz/cs/HHH-240		
N/A	Unibuddy Procurement	https://reportee.cz/cs/HHH-11		
ISSUE	Unibuddy Procurement	https://reportee.cz/cs/HHH-11		
RISK	Unibuddy Procurement	https://reportee.cz/cs/HHH-11		
ISSUE	Sebi	https://reportee.cz/cs/HHH-5		
N/A	Sebi	https://reportee.cz/cs/HHH-5		
RISK	Sebi	https://reportee.cz/cs/HHH-5		
N/A	Earth Observations	https://reportee.cz/cs/HHH-64		
RISK	Earth Observations	https://reportee.cz/cs/HHH-64		
RISK	Sits Double Software Upgrade	https://reportee.cz/cs/HHH-113		
ISSUE	Sits Double Software Upgrade	https://reportee.cz/cs/HHH-113		
N/A	Sits Double Software Upgrade	https://reportee.cz/cs/HHH-113		
N/A	Pmo Bi Reporting	https://reportee.cz/cs/HHH-143		
RISK	Wiki: Annual Upgrade	https://reportee.cz/cs/HHH-156		
ISSUE	Wiki: Annual Upgrade	https://reportee.cz/cs/HHH-156		
RISK	Security Improvements	https://reportee.cz/cs/HHH-90		
ISSUE	Security Improvements	https://reportee.cz/cs/HHH-90		
RISK	Eventsair - Embed And Optimise	https://reportee.cz/cs/HHH-99		
N/A	Eventsair - Embed And Optimise	https://reportee.cz/cs/HHH-99		

### Determining project owner assignments



# THANK YOU FOR THE ATTENTION