

Budapest Power BI Meetup #19



Planning in Fabric

Translytical Task Flows

FabCon újdonságok Atlantából



2026. április 28. 18:00-20:00



EPAM · 1083 · Bókay János u. 44.



Arató Bence

A BI Consulting igazgatója, két évtizedes szakmai múlttal az adattárházak, BI és analitika területén

- **Adatstratégiai tanácsadás**

Adat- és BI stratégia kialakítása, architektúratervezés, eszközválasztási tanácsadás, pályáztatás, minőségbiztosítás, mentoring.

- **Oktatás**

A BI Akadémia vezető oktatója (DW/BI architektúrák, adatmodellezés, adatvizualizáció). A CEU vendégtanára.

- **Rendezvények**

A Budapest BI Fórum és a Budapest Data+AI Fórum konferenciák főszervezője.

- **Kutatások**

A magyar Data Leaders Survey és a Data Salary Survey szakmai vezetője.

Értékelőlap Power BI-ban

Értékelőlap Power BI-ban

- Készítsünk eseményértékelő űrlapot Power BI-ban
 - Néhány kérdés kitöltése
 - Összesítő grafikonok megjelenítése
- Eszközök
 - Power BI Desktop a hagyományos részekhez
 - Translytical Task Flows (TTF)
 - A TTF-hez szükséges Fabric Data UDF + Fabric SQL DB
- Extra : AI kódolás
 - PBIR format
 - OpenAI Codex

Meetup Visszajelző Kérdőív

Kitöltés

Eredmények

Értékelőlap Power BI-ban

Kérdések

StartKérdésekEredmények

1. Hogyan értékeled a mai meetup rendezvényt összességében?

12345

2. Mennyire voltál elégedett az előadások tartalmával?

12345

3. Hogyan értékeled az előadók felkészültségét?

12345

4. Mennyire volt megfelelő a helyszín és a szervezés?

12345

5. Ajánlanád ezt a rendezvényt barátaidnak vagy kollégáidnak?

IgenNem

Név

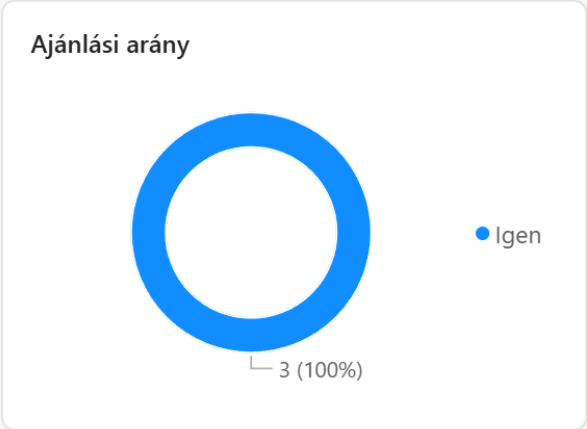
Megjegyzés

Reset

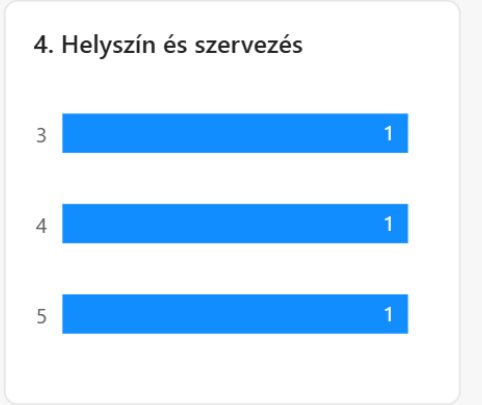
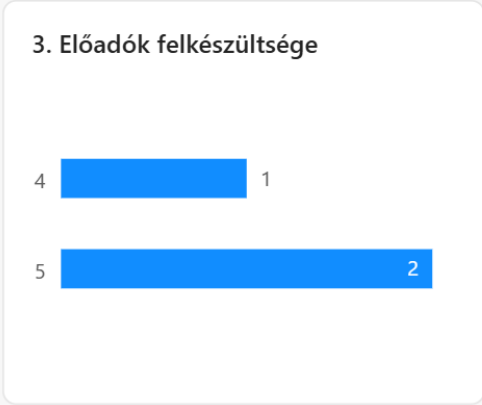
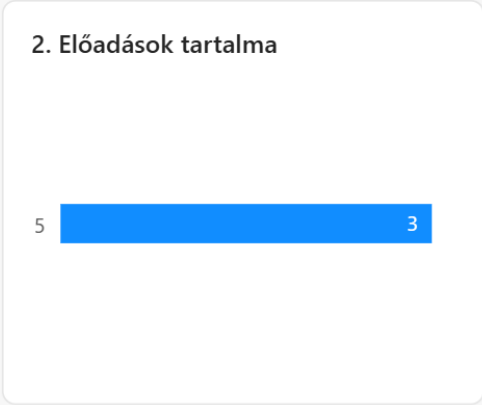
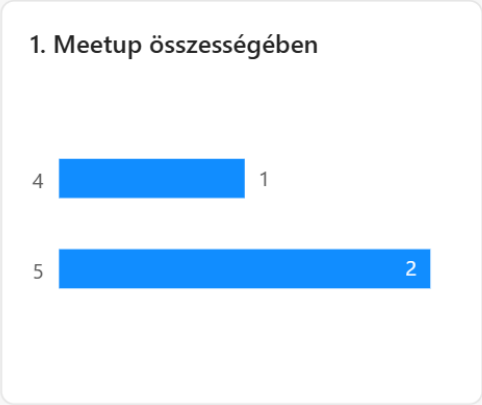
Beküldés

Értékelőlap Power BI-ban

Eredmények



Beküldve	Név	Megjegyzés
4/28/2026 5:03:27 AM	Kovács Péter	Kiváló rendezvény volt, legközelebb is eljövök!
4/28/2026 5:03:27 AM	Nagy Ágnes	A helyszín kicsit zsúfolt volt, de összességében
4/28/2026 5:03:27 AM	Tóth Balázs	Az előadók nagyon felkészültek voltak, sokat



Translytical Task Flows

[FEATURES](#) [POWER BI](#)

Translytical Task Flows (Generally Available)



Zoe Douglas
Product Manager

 April 20, 2026

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 Like

Translytical task flows take interactive Power BI reports to the next level where users can update records, add annotations, and trigger actions in external systems—all without leaving the report.

With translytical task flows, report consumers become active participants. Instead of viewing data and then switching to another application to take action, users can complete their entire workflow within the Power BI interface.

Bevezetés



- **Act directly** in Power BI reports all without leaving the report
- Uses **Fabric user data functions** to link reports directly to underlying data sources
- **Data writeback** supports: Fabric SQL databases, Fabric warehouses & Fabric lakehouses (for files)
- ...and now it's all **GA!**

Felület

The screenshot displays the Power BI Project Status Update interface. It includes a top summary section, a table for selecting a project to update, a section for choosing a new status, a notes section, a preview section, and a Teams notification section. A success message is shown in the top right, and a detailed status update card is shown on the right side.

1) Pick a project to update

Product name	Project name	Target end date	Description	Latest status	Latest notes
Microsoft Build	TMDL for Version Control - Build	2026-02-15	Session on using TMDL for semantic model source control and CI/CD	Completed	Session delivered at internal summit, ready for Build
FabCon Atlanta	Custom Visuals in Power BI - FabCon Atlanta	2026-03-20	Hands-on lab for building custom visuals with the Power BI SDK	On Hold	Paused - waiting on SDK v5 release for new features
FabCon Atlanta	Best Practices with Power BI - FabCon Atlanta	2026-03-20	Session covering Power BI best practices for enterprise deployments	In Progress	First draft of presentation complete, scheduling dry run
Microsoft Build	Translytical Task Flows - Build	2026-05-19	Deep dive into translytical workloads and real-time analytics patterns	In Progress	Building demo lakehouse environment
FabCon Barcelona	Semantic Modeling Workshop - FabCon Barcelona	2026-09-15	Interactive workshop on building enterprise-grade semantic models	Not Started	Workshop format and duration confirmed
FabCon Barcelona	Advanced DAX Patterns - FabCon Barcelona	2026-09-15	Workshop on complex DAX calculations and optimization techniques	Not Started	Call for speakers submission pending review
Microsoft Ignite	Semantic Modeling Deep Dive - Ignite	2026-11-18	Comprehensive session on semantic model design and best practices	In Progress	Sample semantic models being developed
Microsoft Ignite	Real-time Analytics with Power BI - Ignite	2026-11-18	Showcase of Direct Lake and real-time streaming capabilities	In Progress	Direct Lake performance benchmarks in progress
Total					

2) What is the new status?

Not Started: Project has been created but work has not begun

In Progress: Active work is being performed on the project

On Hold: Project is paused pending resources, decisions, or dependencies

Completed: All project deliverables have been finished

Cancelled: Project has been terminated and will not be completed

3) Add notes for this status update

Started to record demo

4) Preview update

Preview of status update

Teams Notification Preview

Project: Custom Visuals in Power BI - FabCon Atlanta
Status: On Hold → In Progress
Updated By:
Date: 2026-03-02 04:23
Notes: See above

This will be sent to Teams

5) Request submitted

The action on your report was completed successfully

[Details](#)

6) Project Status Update

Project: Custom Visuals in Power BI - FabCon Atlanta
Status: On Hold → In Progress
Updated By:
Notes: Started to record demo

[View Project](#)

Reply in thread

Felhasználási területek

- **Adatok hozzáadása / frissítése / törlése**
- Külső API-k hívása
- Adatannotáció és minőségbiztosítás
- Munkafolyamat-automatizálás

Szükséges komponensek

Komponensek

- Fabric Capacity
 - Ingyenes Trial is elég
- Fabric SQL DB
 - Kérdőív adatok tárolása
 - sqldb-powerbi-ttf
- Python UDF
 - Adatok visszaírása az adatbázisba a Kérdések képernyőről
- Egy Fabric workspace, ami mindent összefog
 - Itt található meg a riport, az UDF és az SQL DB is
 - ws-powerbi-ttf

Fabric Trial Capacity & Workspace

Home

Workspaces

Copilot

OneLake catalog

Monitor

Real-Time

Workloads

ws-powerbi-ttf

My workspace

...

ws-powerbi-ttf

+ New item

New folder

Import

Migrate

Create app

Manage access

Workspace settings

Filter by keyword

Filter

Choose from predefined task flows or add a task to build one

Select from one of Microsoft's predefined task flows or add a task to start building one yourself.

Select a predefined task flow

Add a task

Import a task flow

Name	Status	Type	Task	Owner	Refreshed	Next refresh	Endorsement	Sensitivity	Included in app
meetup-survey-v2		Report	—	ws-powerbi-ttf	4/28/2026, 6:33:06 AM	—	—	—	No
meetup-survey-v2		Semantic model	—	ws-powerbi-ttf	4/28/2026, 6:33:06 AM	N/A	—	—	
record_answers		User data functions	—	Bence Arato	—	—	—	—	
sqldb-powerbi-ttf		SQL database	—	Bence Arato	—	—	—	—	
sqldb-powerbi-ttf		SQL analytics endpoint	—	Bence Arato	—	—	—	—	

Name

meetup-survey-v2

meetup-survey-v2

record_answers

sqldb-powerbi-ttf

sqldb-powerbi-ttf

Create app

Manage access

Workspace settings

Filter by keyword

Filter

Fabric SQL DB

Announcing SQL database in Fabric (Generally Available)

AI

Announcements

Databases



November 18, 2025 by [Anna Hoffman](#)

👁 41,622 Views

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Co-authored by: Idris Motiwala

SQL is everywhere and Microsoft is innovating to deliver a unified experience across on-premises, cloud, and SaaS. One SQL unifies your data estate, bringing platform consistency, performance at scale, advanced security, and AI-ready tools together in one seamless experience, and SQL database in Fabric is no exception to that. At Microsoft Ignite, we're thrilled to announce SQL database in Microsoft Fabric is officially Generally Available!

This marks a major milestone in our journey to unify operational and analytical data for the next generation of AI-powered applications. In the past year, over 50,000+ SQL databases have been created in Fabric, illustrating the incredible momentum and interest to bring operational workloads and support into Microsoft Fabric.

Fabric SQL DB

Explorer

Search

sqladb-powerbi-ttf

dbo

Tables

answer_option

answers

questions

surveys

Views

vw_answer_...

vw_comments

vw_rating...

vw_recomm...

Stored Procedures

Functions

ScalarFunci...

TableValued...

External Tables

Queries

My queries

SQL query 1

Shared queries

answers

SQL query 1

Run Save as Save as view Explain query Fix query errors

Preview Copilot uses AI. Mistakes can happen. Verify code suggestions before running them. Review terms

```
1 SELECT TOP (1000) [id]
2     ,[survey_id]
3     ,[question_id]
4     ,[session_id]
5     ,[respondent_name]
6     ,[answer_value]
7     ,[submitted_at]
8 FROM [dbo].[answers]
```

Messages Results

Copy Search

	123 id	123 survey_id	123 question_id	ABC session_id	ABC respondent_name	ABC answer_value	submitted_at
1	150	1	1	sess-001	Kovács Péter	5	2026-04-28 05:03:27.700000
2	151	1	2	sess-001	Kovács Péter	5	2026-04-28 05:03:27.700000
3	152	1	3	sess-001	Kovács Péter	5	2026-04-28 05:03:27.700000
4	153	1	4	sess-001	Kovács Péter	4	2026-04-28 05:03:27.700000
5	154	1	5	sess-001	Kovács Péter	Igen	2026-04-28 05:03:27.700000
6	155	1	6	sess-001	Kovács Péter	Kiváló rendezvény volt, legközelebb is eljövök!	2026-04-28 05:03:27.700000
7	156	1	1	sess-002	Nagy Ágnes	4	2026-04-28 05:03:27.700000
8	157	1	2	sess-002	Nagy Ágnes	5	2026-04-28 05:03:27.700000
9	158	1	3	sess-002	Nagy Ágnes	4	2026-04-28 05:03:27.700000
10	159	1	4	sess-002	Nagy Ágnes	3	2026-04-28 05:03:27.700000
11	160	1	5	sess-002	Nagy Ágnes	Igen	2026-04-28 05:03:27.700000
12	161	1	6	sess-002	Nagy Ágnes	A helyszín kicsit zsúfolt volt, de összességében jó volt.	2026-04-28 05:03:27.700000
13	162	1	1	sess-003	Tóth Balázs	5	2026-04-28 05:03:27.700000
14	163	1	2	sess-003	Tóth Balázs	5	2026-04-28 05:03:27.700000
15	164	1	3	sess-003	Tóth Balázs	5	2026-04-28 05:03:27.700000
16	165	1	4	sess-003	Tóth Balázs	5	2026-04-28 05:03:27.700000
17	166	1	5	sess-003	Tóth Balázs	Igen	2026-04-28 05:03:27.700000
18	167	1	6	sess-003	Tóth Balázs	Az előadók nagyon felkészültek voltak, sokat tanultam.	2026-04-28 05:03:27.700000

Succeeded (0 sec 691 ms) Copilot completions: Off

Columns: 7 Rows: 18

Demó válaszadatok lekérdezése a webes felületen

SQL Adatmodell

surveys	questions	vw_rating_distribution	answer_options	answers	vw_comments	vw_recommend_summary
created_at	display_order	answer_value	answer_value	answer_value	general_comment	answer_count
description	id	display_order	question_id	id	respondent_name	answer_value
event_date	is_active	question_id	survey_id	question_id	session_id	pct
id	options_json	question_text		respondent_name	submitted_at	total_responses
title	question_text	rating_numeric		session_id		
	question_type	response_count		submitted_at		
	survey_id			survey_id		

Az adatmodellben 4 tábla és 3 a chartokhoz készült nézet

Fabric Data Functions

Fabric Data Functions

Fabric User Data Functions (Generally Available)

Announcements

Data Engineering

Microsoft Fabric

Roadmap



September 24, 2025 by [Luis Bosquez](#)

👁 50,848 Views

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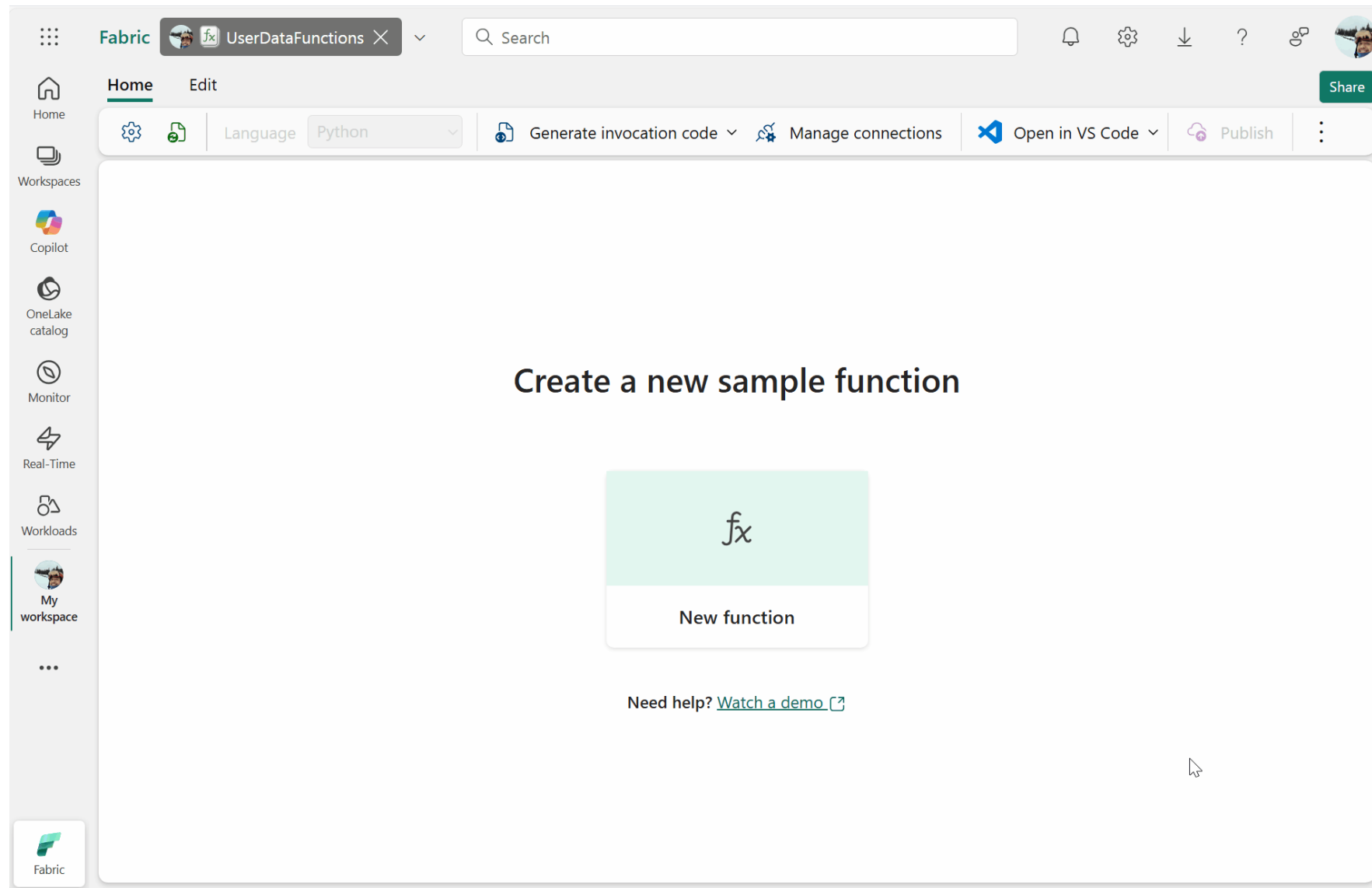
[f](#) Like

During preview, thousands of users have leveraged created functions to embed their business logic into their Fabric ecosystem. We have seen sophisticated solutions for a wide variety of use cases from data engineering, with [Data pipelines](#) and [Notebooks](#), to Translytical applications using [Power BI reports](#).



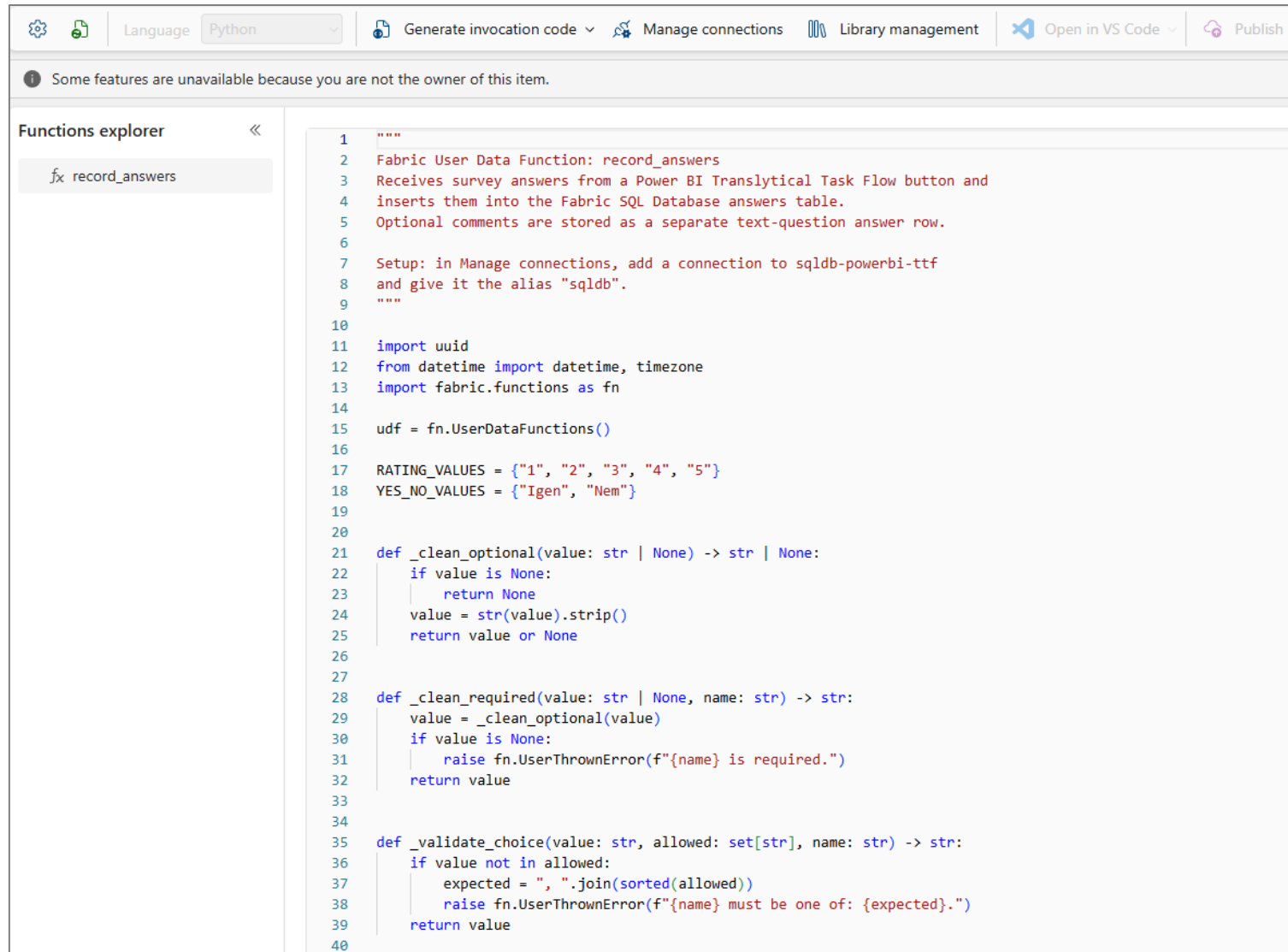
Create, connect and run your business logic with User Data Functions

Fabric Data Functions



<https://blog.fabric.microsoft.com/en-US/blog/announcing-fabric-user-data-functions-now-in-general-availability/>

A mi funkciónk



The screenshot shows a code editor interface with a top toolbar containing icons for settings, a file, language selection (set to Python), generate invocation code, manage connections, library management, open in VS Code, and publish. A message bar below the toolbar states: "Some features are unavailable because you are not the owner of this item." On the left, the "Functions explorer" sidebar shows a single function named "record_answers". The main editor area displays the following Python code:

```
1 """
2 Fabric User Data Function: record_answers
3 Receives survey answers from a Power BI Translytical Task Flow button and
4 inserts them into the Fabric SQL Database answers table.
5 Optional comments are stored as a separate text-question answer row.
6
7 Setup: in Manage connections, add a connection to sqldb-powerbi-ttf
8 and give it the alias "sqldb".
9 """
10
11 import uuid
12 from datetime import datetime, timezone
13 import fabric.functions as fn
14
15 udf = fn.UserDataFunctions()
16
17 RATING_VALUES = {"1", "2", "3", "4", "5"}
18 YES_NO_VALUES = {"Igen", "Nem"}
19
20
21 def _clean_optional(value: str | None) -> str | None:
22     if value is None:
23         return None
24     value = str(value).strip()
25     return value or None
26
27
28 def _clean_required(value: str | None, name: str) -> str:
29     value = _clean_optional(value)
30     if value is None:
31         raise fn.UserThrownError(f"{name} is required.")
32     return value
33
34
35 def _validate_choice(value: str, allowed: set[str], name: str) -> str:
36     if value not in allowed:
37         expected = ", ".join(sorted(allowed))
38         raise fn.UserThrownError(f"{name} must be one of: {expected}.")
39     return value
40
```

100% AI generált kód

Runtime log

Location code

Manage connections

Library management

Python Data Function: record_answers

Copy answers from a Power BI Translytical Task Flow button and store them into the Fabric SQL Database answers table. Each invocation creates one or more rows. Each row contains a separate text-question answer row.

When you create connections, add a connection to sqldb-powerbi-ttf and use the alias "sqldb".

```
import datetime, timezone
from datetime import datetime
from functions as fn

def record_answers():
    # Get data from Power BI Translytical Task Flow
    data = {"1", "2", "3", "4", "5"}
    data = {"Igen", "Nem"}

    # Process data
    for value in data:
        if value is None:
            continue
        value = value.strip()
        # Store data in Fabric SQL Database
        fn.store_data(value)

    # Clean up
    fn.clean_optional(value)
```

All historical logs

record_answers

User data functions invocation logs can take a few minutes to appear. If you do not see your logs, click on view details button to troubleshoot the issue.

View details

Date (UTC)	Status	Duration(ms)	Invocation ID
2026-04-28 12:30:51.809	✓ Succeeded	137	52533ebe-893a-4b7d-a2d2-c898f2717361
2026-04-28 12:30:33.352	✓ Succeeded	127	504e01f0-b7e4-49f7-8fea-42353cb7246e
2026-04-28 12:30:24.142	✓ Succeeded	2451	63da42c8-7d34-4c04-bf2e-427e7e470c75
2026-04-28 04:20:48.908	✓ Succeeded	2590	ff3035ab-9d7d-429a-8e51-3de3195e5a92
2026-04-28 03:52:39.312	✓ Succeeded	114	88396672-1e3f-4490-985c-871f97d26af2
2026-04-28 03:51:53.244	✓ Succeeded	2375	34359f4e-20ea-429c-a303-940ba7ed4c7e
2026-04-27 20:41:19.006	✓ Succeeded	2527	55a4a741-f7ce-4a62-ba1e-30d84a90be3c
2026-04-27 17:43:06.117	✓ Succeeded	2951	ec83c912-a0ab-4b60-a5aa-5408e62f2b8d
2026-04-27 06:35:47.281	✓ Succeeded	2367	ff77bf15-d6e8-42d9-956c-c4498c9aa15f

Az UDF részletes futtatási naplója

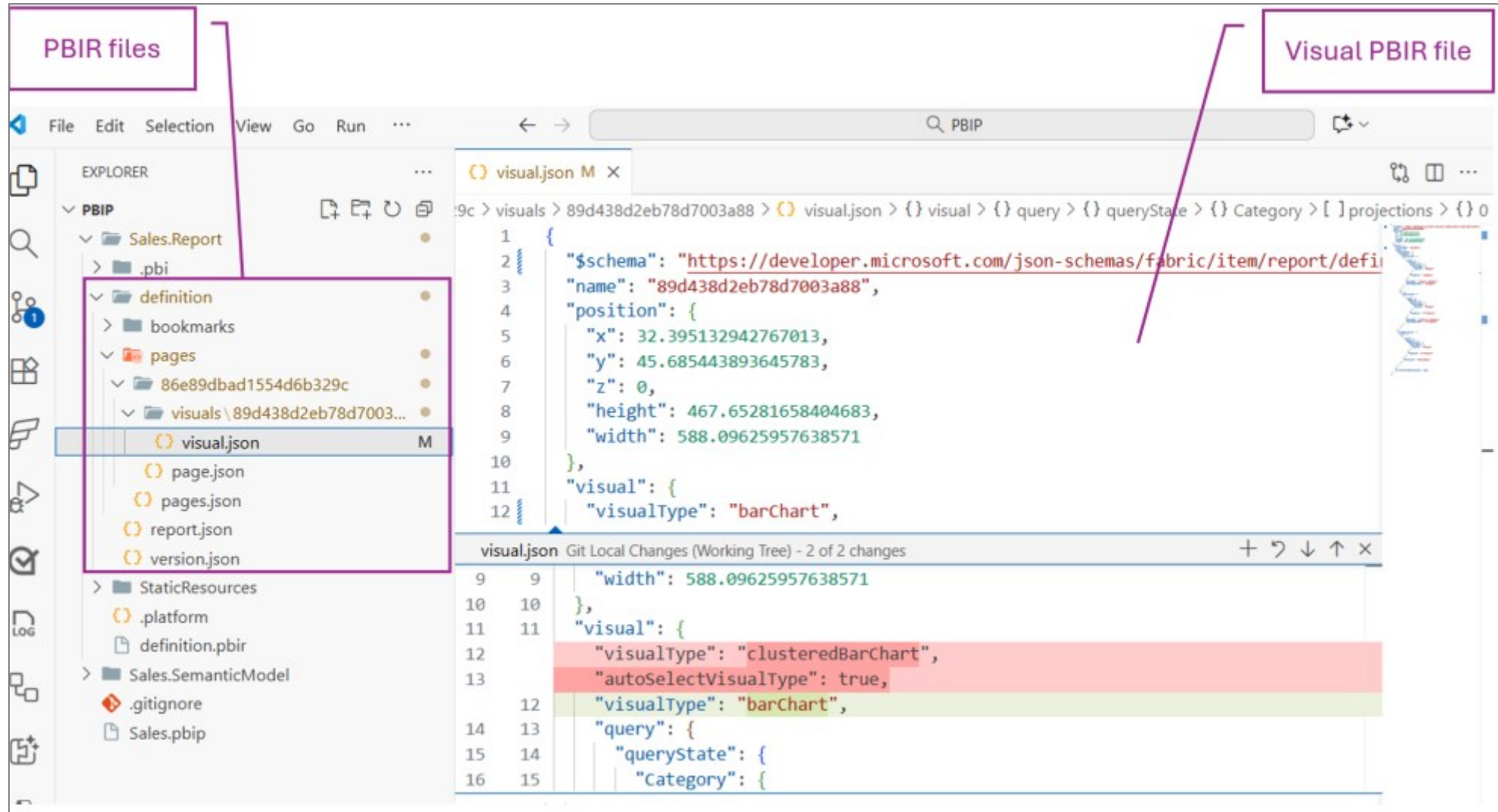
PBIR Format

PBIR = Power BI Enhanced Report Format

- Stored as **JSON** files
- Part of the **Power BI Project structure** (.pbip)
- Report layer in a **modular, developer-friendly** format



PBIR közeletről



PBIR lesz a default Egyszer csak 😊

DEVELOPERS POWER BI

PBIR will become the default Power BI Report Format – Get Ready for the Transition



Rui Romano

Principal Program Manager



November 17, 2025



Update 2025-03-26:

- **PBIR in Power BI Desktop:** PBIR as the default format for both PBIX and PBIP file formats has been delayed to the May Power BI Desktop release. Until then, users must continue to manually enable the PBIR preview feature in Desktop.
- **PBIR in Power BI Service:** The rollout of PBIR as the default format began in January and is expected to be completed by the end of April. New reports created in the service already use PBIR. Automatic upgrades are still rolling out gradually, this rollout is based on report size – for example, as of March 2026, only reports with fewer than 100 visuals are eligible for automatic upgrade when edited in the service.

Példák

Kérdések képernyő

Kérdések

Start

Kérdések

Eredmények

1. Hogyan értékeled a mai meetup rendezvényt összességében?

1

2

3

4

5

2. Mennyire voltál elégedett az előadások tartalmával?

1

2

3

4

5

3. Hogyan értékeled az előadók felkészültségét?

1

2

3

4

5

4. Mennyire volt megfelelő a helyszín és a szervezés?

1

2

3

4

5

5. Ajánlanád ezt a rendezvényt barátaidnak vagy kollégáidnak?

Igen

Nem

Név

Megjegyzés

Reset

Beküldés

Kérdések képernyő

powerbi-ttf / report / meetup-survey-v2.Report / definition / pages / 	
 bencearato Capture current Power BI report state 	
Name	Last commit message
 ..	
 pg01Welcome	Capture current Power BI report state
 pg04QuestionButtons	Capture current Power BI report state
 pg05ResultsCharts	Capture current Power BI report state
 pages.json	Finalize translytical survey report

A riport belső szerkezete Githubon, minden oldal külön folder

Kérdések képernyő

powerbi-ttf / report / meetup-survey-v2.Report / definition / pages / pg04QuestionButtons / **visuals** /

 **bencearato** Capture current Power BI report state

Name	Last commit message
..	
519f64e92e3e7ce1e72d	Capture current Power BI report state
v01Title	Capture current Power BI report state
v02Q1Label	Capture current Power BI report state
v03Q1ButtonSlicer	Capture current Power BI report state
v04Q2Label	Capture current Power BI report state
v05Q2ButtonSlicer	Capture current Power BI report state
v06Q3Label	Capture current Power BI report state

A Kérdések oldal folderében minden vizuál is egy külön alfolder

Kérdések képernyő

```
12     "visual": {
13       "visualType": "textbox",
14       "objects": {
15         "general": [
16           {
17             "properties": {
18               "paragraphs": [
19                 {
20                   "textRuns": [
21                     {
22                       "value": "Kérdések",
23                       "textStyle": {
24                         "fontFamily": "Segoe UI",
25                         "fontSize": "24pt"
26                       }
27                     }
28                   ],
29                   "horizontalTextAlignment": "center"
30                 }

```

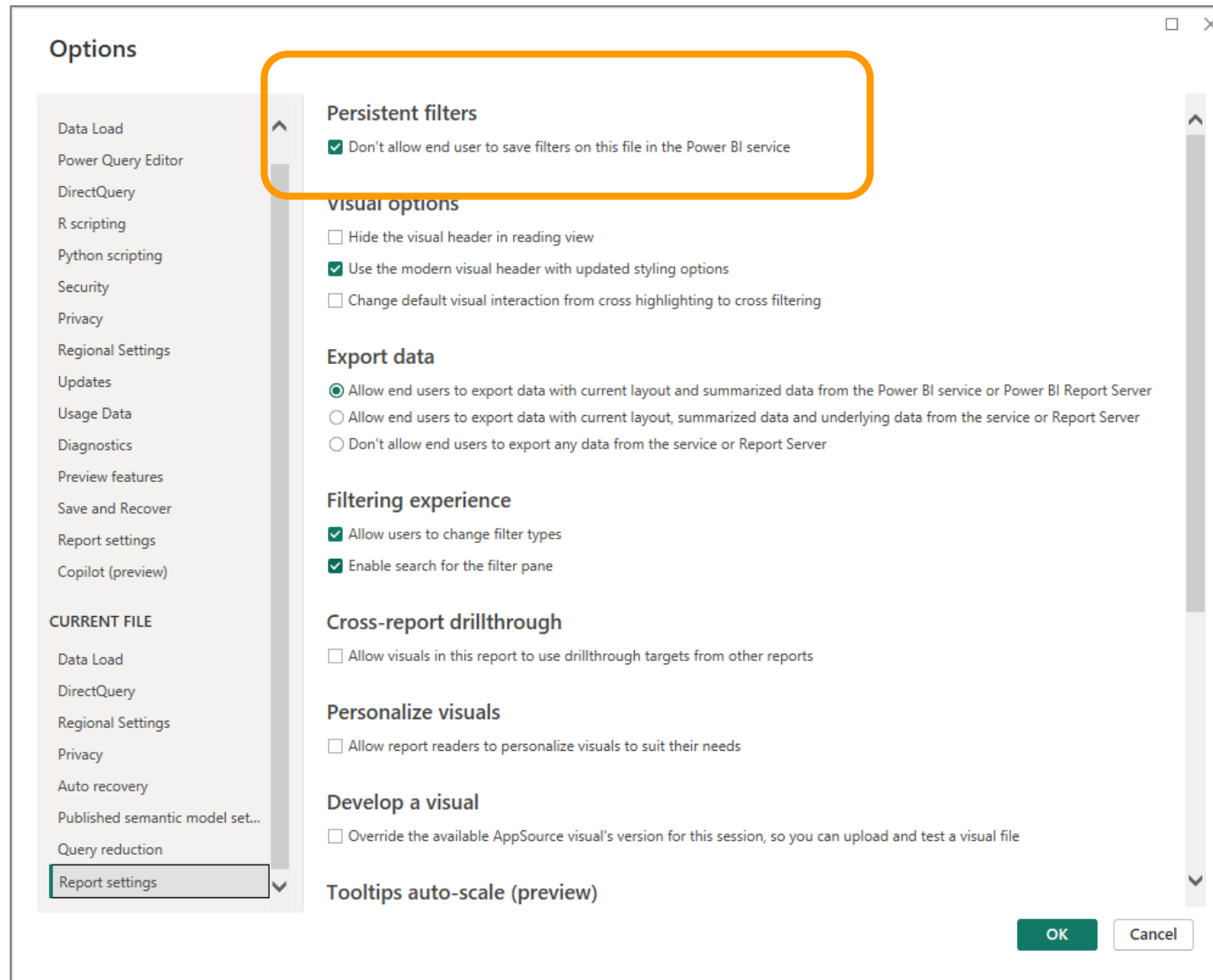
Az egyes vizuálok részletes definíciója egy-egy JSON állományban van, itt a címet tartalmazó textbox szövege és a középre igazítás beállítása látható éppen

Kérdések képernyő

```
    "name": "generalComment",  
    "dataType": "string",  
    "isOptional": false,  
    "type": "SlicerParameter",  
    "slicer": "v15CommentInput",  
    "autoClear": false  
  },  
  {  
    "name": "q1Answer",  
    "dataType": "string",  
    "isOptional": false,  
    "type": "SlicerParameter",  
    "slicer": "v0301ButtonSlicer",  
    "autoClear": false
```

A Submit gomb data binding szekciójának egy részlete
Az első kérdésre adott válasz értéke a megadott Button Slicerhez van kötve

Persistent Filters setting



A Persistent Filters reportszintű beállítás a Power BI Desktopban

Persistent Filters setting

Found it. Desktop writes the valid setting as:

```
json
```



```
"isPersistentUserStateDisabled": true
```

Location: [report.json \(line 43\)](#), under `settings` .

Desktop also saved these nearby report settings:

```
json
```



```
"queryLimitOption": "None",  
"customMemoryLimit": "1048576",  
"customTimeoutLimit": "225"
```

So the correct PBIR setting is not `persistentFilters` ; it is `isPersistentUserStateDisabled` .

A beállítás azonosítása a report.json állományban

PBIR Skillek

PBIR Skillek

- A PBIR formátumról igazán részletes hivatalos dokumentáció nincsen
- De közösségi kezdeményezésként elérhetőek úgynevezettek Skillek, amelyek az AI Agensek számára használható leírások
- Lukas Reese
 - <https://lukasreese.com/2026/03/14/pbir-report-builder-claude-skill/>
 - <https://github.com/lukasreese/powerbi-claude-skills>
- Kurt Buhler
 - <https://github.com/data-goblin/power-bi-agentic-development>

The **PBIR Report Builder** is a Claude skill that lets you automate Power BI report creation with AI — generating IBCS variance charts, summary tables, and native visuals by writing valid PBIR JSON directly into your PBIP project folder. Three inputs, under two minutes, no paid add-ons. This is what Power BI code-first development looks like when you combine the [Power BI Enhanced Report Format](#) with AI.

Key Takeaways

- **AI Power BI report generation is real** — Claude writes valid PBIR JSON visuals directly into your project folder, no GUI clicks needed.
- **IBCS variance charts without paid add-ons** — four templates using only native Power BI visuals (column, bar, table).
- **Three inputs are all you need** — actual measure, comparison measure, and a category column. Claude generates all helper DAX measures and visual JSON.
- 📄 **Open source and free** — available on [GitHub](#).

📖 README

Power BI Skills for Claude Code

A collection of [Claude Code](#) skills that let Claude build Power BI reports, audit data models, and generate visuals programmatically — no manual JSON or DAX required.

Available Skills

Skill	Description	Status
pbi-requirements-gathering	Structured 10-phase requirements conversation — surfaces risks, flags bad assumptions, produces a portable client-ready document	Available
pbir-report-builder	Generate report pages, visuals, and IBCS variance charts by writing PBIR JSON directly into PBIP projects	Available
pbip-dependency-analyzer	Find unused measures, run impact analysis, and audit semantic model quality	Coming soon

Quick Install

Each skill folder contains a ready-to-use `.skill` file — just download it and add it to Claude:

- Go to the skill folder (e.g., [pbir-report-builder/](#))
- Click the `.skill` file → **Download raw file** (download icon)
- Add it to Claude Desktop or Cowork via Settings → Skills

GitHub könyvtár

lukasreese / powerbi-clause-skillsPublic

NotificationsFork10Star54

<> CodeIssuesPull requests1ActionsProjectsSecurity and qualityInsights

Files

main

Go to file

> pbi-requirements-gathering

> pbip-dependency-analyzer

> pbir-report-builder

references

example

ibcs-visuals

json-schemas

json-templates

visual-gallery

field-references.md

folder-structure.md

formatting-objects.md

ibcs-resources.md

navigation-templates.md

page-naming.md

visual-types.md

SKILL.md

pbir-report-builder.skill

README.md

powerbi-clause-skills / pbir-report-builder / references /

Lukas Reese and claudeAdd ReferenceLabels query bucket for UI-visible Detail data well2a3d29c · last monthHistory

Name	Last commit message	Last commit date
..		
example	Add ReferenceLabels query bucket for UI-visible Detail data well	last month
ibcs-visuals	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
json-schemas	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
json-templates	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
visual-gallery	Update KPI card template: dark text on light bg, arrows, remove HTML ...	last month
field-references.md	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
folder-structure.md	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
formatting-objects.md	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
ibcs-resources.md	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
navigation-templates.md	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
page-naming.md	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month
visual-types.md	feat: add visual gallery, IBCS screenshots, KPI example + clean up re...	last month

Visual Gallery példa

README.md

Visual Gallery

Place PNG screenshots of Power BI visuals in this folder.

Visual Reference Table

Visual Type	Template File	Screenshot
KPI Card with YoY Badge	<code>example/card-kpi-with-yoy.md</code>	<code>images/cardVisual-kpi-yoy.png</code>
IBCS Line & Clustered Column	—	<code>../ibcs-visuals/images/1_IBCS_LineAndClusteredColumnChart.jpg</code>
IBCS Stacked Bar	—	<code>../ibcs-visuals/images/2_IBCS_StackedBarChart.jpg</code>
IBCS Variance Table (Simple SVG)	—	<code>../ibcs-visuals/images/3_IBCS_VarianceTableSimpleSVG.jpg</code>
IBCS Variance Table (Full SVG)	—	<code>../ibcs-visuals/images/4_IBCS_VarianceTavkeFullSVG.jpg</code>

Adding Screenshots

1. Take a screenshot of your visual in Power BI Desktop
2. Save as PNG in `images/` subfolder
3. Name format: `{visualType}-{variant}.png` (e.g., `cardVisual-kpi-yoy.png`)
4. Update this table with the new entry



README Contributing GPL-3.0 license



Build useful things and save time with coding agents

power-bi-agentic-development

The best source for agentic development resources for Power BI in one marketplace
Teach agents like Claude Code or GitHub Copilot to do literally anything in Power BI

version 0.26.1 Power BI Microsoft Fabric Tabular Editor license GPL-3.0

Warning

Under active development with a weekly release cadence; regular renaming or restructuring.

Overview

The repo contains skills, agents, and hooks.

- **Skills** teach agents domain knowledge and workflows. They activate automatically based on task context, or can be invoked manually with `/skill-name`. In Claude Code, skills and commands have coalesced; commands are simply more prescriptive skill workflows.
- **Agents** are autonomous subprocesses that handle complex, multi-step tasks independently; typically used for review and validation.
- **Hooks** run automatically after tool use to validate files and catch errors early. They are deterministic; they fire when a specific pattern is matched, not by LLM judgment.

Hook checks can be individually toggled via config files. Set any check to `false` to disable it:

- `plugins/pbip/hooks/config.yaml` -- PBIR, TMDL, and report binding validation
- `plugins/pbi-desktop/hooks/config.yaml` -- DAX references, measure metadata, referential integrity, metadata cache

Kurt Buhler

The screenshot shows a GitHub repository page for 'data-goblin / power-bi-agentic-development'. The left sidebar displays the file tree with the following structure:

- main
- Go to file
- pbir-desktop
 - pbip
 - .claude-plugin
 - agents
 - hooks
 - skills
 - pbip
 - pbir-format
 - examples
 - important
 - references
 - scripts
 - SKILL.md
 - tmdl
- reports
 - .claude-plugin
 - agents

The main content area shows the 'SKILL.md' file in the 'pbir-format' directory. The file path is 'power-bi-agentic-development / plugins / pbip / skills / pbir-format / SKILL.md'. The commit message is 'data-goblin Clean: bump all plugin versions to v0.26.0' with a green checkmark. The commit hash is 'ca3b195' and it was made '2 weeks ago'. The file has 182 lines (148 loc) and is 15.6 KB. The file content is as follows:

name	pbir-format
version	0.26.0
description	Format reference for Power BI Enhanced Report (PBIR) JSON schemas and patterns. Automatically invoke when the user asks about PBIR JSON structure, visual.json properties, PBIR expressions, objects vs visualContainerObjects, theme inheritance, conditional formatting patterns, extension measures, bookmarks, field references, filter formatting, query roles, PBIR page structure, report wallpaper, or any PBIR metadata format question.

PBIR Format Reference

Skill that teaches Claude about the Power BI Enhanced Report (PBIR) JSON format to read and use it. Doesn't support legacy `report.json` or `layout` report metadata. To convert from legacy to PBIR format, users have to open and save their reports in Power BI Desktop.

Follow within reason the [mental model](#) when working with reports.

WARNING: The PBIR format is brittle and easily corrupted. Direct JSON file modification can lead to corruption. Prefer using the `pbir` CLI tool if available (`uv tool install pbir-cli` or `pip install pbir-cli`), as it has built-in safeguards against breaking report files. Only fall back to direct JSON modification if the user explicitly requests it or if `pbir` is not available.

<https://github.com/data-goblin/power-bi-agentic-development/blob/main/plugins/pbip/skills/pbir-format/SKILL.md>

Tanulságok

Tanulságok

- Translytical Task Flow
 - Nagy potenciál – de Fabric kell hozzá
 - Funkcionális hiányok vannak még
 - A dokumentáció sem igazán bőséges
- PBIR riportformátum
 - HATALMAS potenciál – és nemcsak Fabricon
 - A verziókezelés szempontjából már ma is jól használható
 - AI fejlesztés viszont nehézkes még (komplex és aluldokumentált)
 - Skillek csak részben segítenek
- Agentic fejlesztés menete
 - Szemantikus model(TMDL) fejlesztés könnyebb, mint a riportok (PBIR)
 - Desktop hot reload hiányzik, MCP szerver sincs

Thank You

