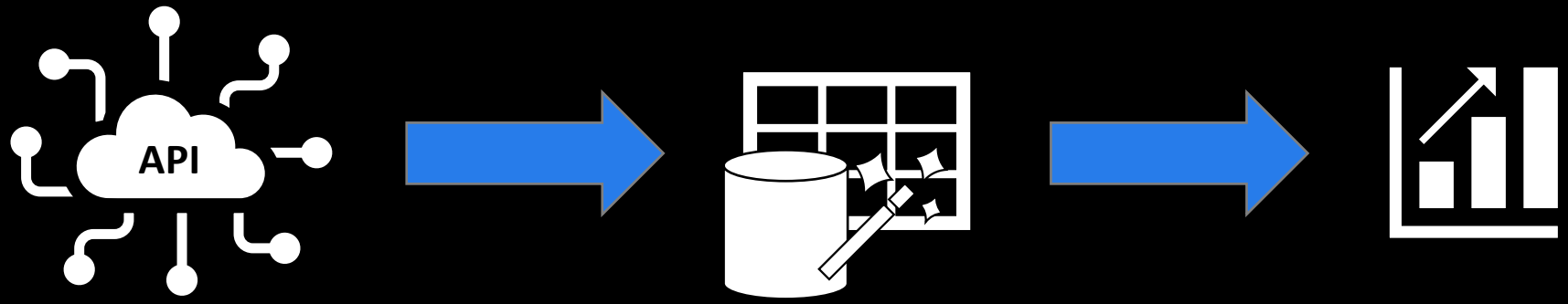
Querying Power BI REST APIs



Within a Power BI Dataset/Semantic Model

November 13th, 2024

About Me

Experience

- 11+ years with Microsoft BI stack
- 8+ years with PowerPivot/Power BI
- 5+ years with Azure DevOps

Credentials

- MCSE: Productivity
- MS: PBI Data Analyst
- PMP

Microsoft® MVP Most Valuable Professional

Contact Me

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Blog

Slides:

Agenda

- Power BI REST APIs
- The Challenges
- Custom Connector
- Demo
- Next Steps

Power BI REST APIs

- Representational State Transfer (REST)
- Application Programming Interfaces (APIs)

The Middleman of Information

Power BI REST APIs (cont.)

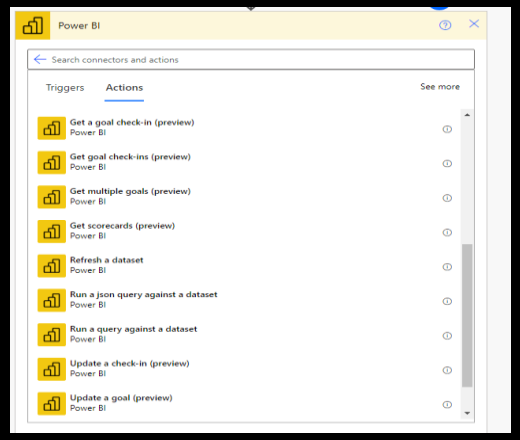
- Datasets
  - Data Sources
  - Refresh History
  - Refresh Schedule
  - Execute Queries
- Reports
  - Connects to Datasets
  - Pages (Tabs)
- Workspaces
  - User Access
- Pipelines
  - Deployment History
  - User Access
- Apps

The Challenges

- **PowerShell**
- **JavaScript**
- **.NET**
- **Python**
- **Power Automate**

Everyone Else

Power BI Users



The Challenges (cont.)

As a workspace administrator I'd like to:

Inventory the workspaces I manage

Monitor for issues

Maintain a comprehensive refresh schedule

Introducing...

Power Query Connector to PBI REST API

Commercial Version

GCC Version

Demo

Next Steps

1. Setup the connector
2. Use the template
3. Setup Gateway

Questions?

Power BI Ideas

1. API for Get Refresh Schedule of Dataflows
2. REST API Cmdlet for getting all outstanding Pending Access requests
3. Power BI REST API connector for Power BI Desktop

How was the session?

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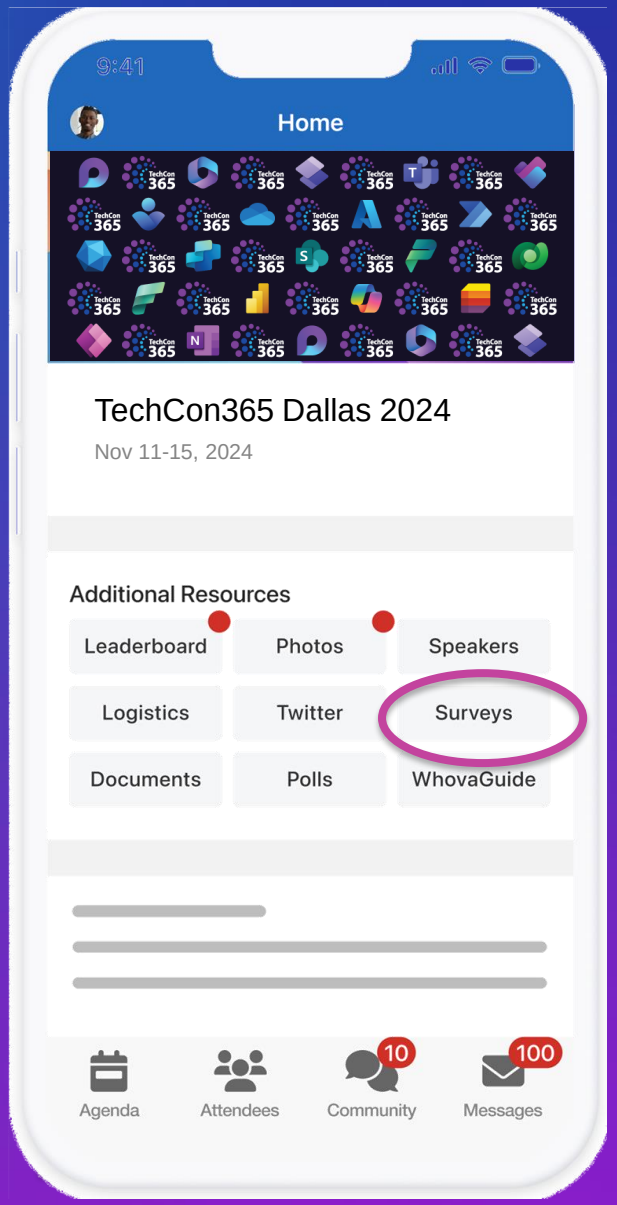

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