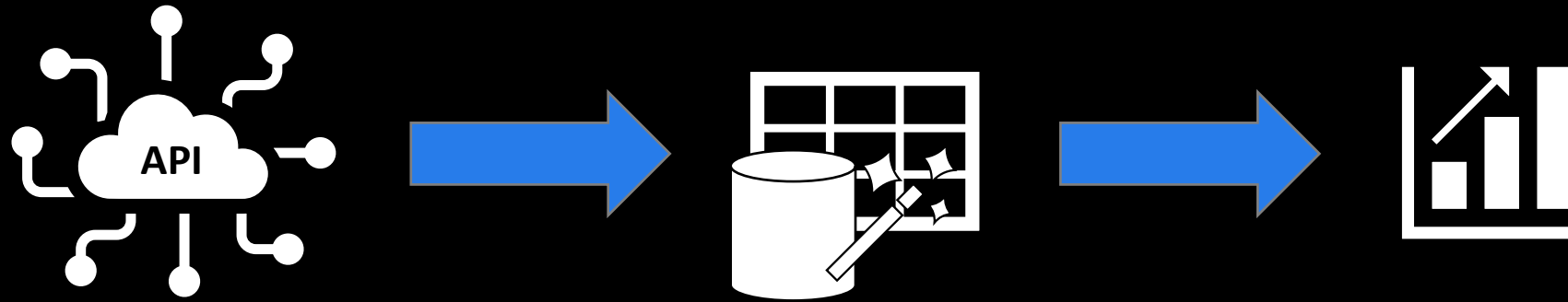


# Querying Power BI REST APIs



**Within a Power BI Dataset/Semantic Model**

**March 9<sup>th</sup>, 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



## Contact Me



@JKerski



John Kerski



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

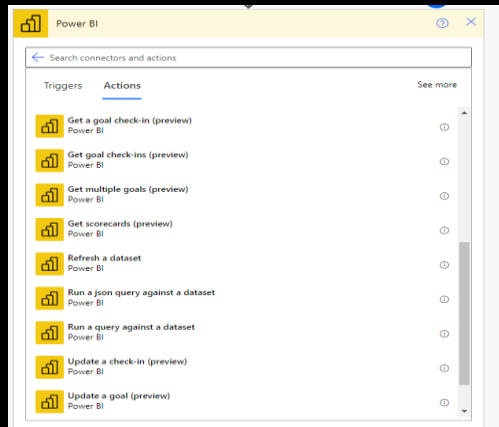
- PowerShell
- JavaScript
- .NET
- Python
- Power Automate



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