

Write-back with Power Apps in Power BI

Nicky van Vroenhoven



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Who Are You? bit.ly/write-back



Who Are You?



bit.ly/write-back

A screenshot of a web form titled "Write-back - Who Are You?". The form has a dark blue header with the "sqlbits 2023" logo. Below the header, it states: "This is a form for my SQLBits session **Write-back with Power Apps**. All answers will be deleted after this session." The main content area is light grey and contains a question "1. What is your name?" with a text input field below it. A red asterisk and the word "Required" are positioned above the question. The input field has the placeholder text "Enter your answer".

sqlbits
2023

Write-back - Who Are You?

This is a form for my SQLBits session **Write-back with Power Apps**.
All answers will be deleted after this session.

* Required

1. What is your name?

Enter your answer

How-to: nickyvv.com/2019/12

Nicky van Vroenhoven

Unit Lead Power BI



Powerdobs



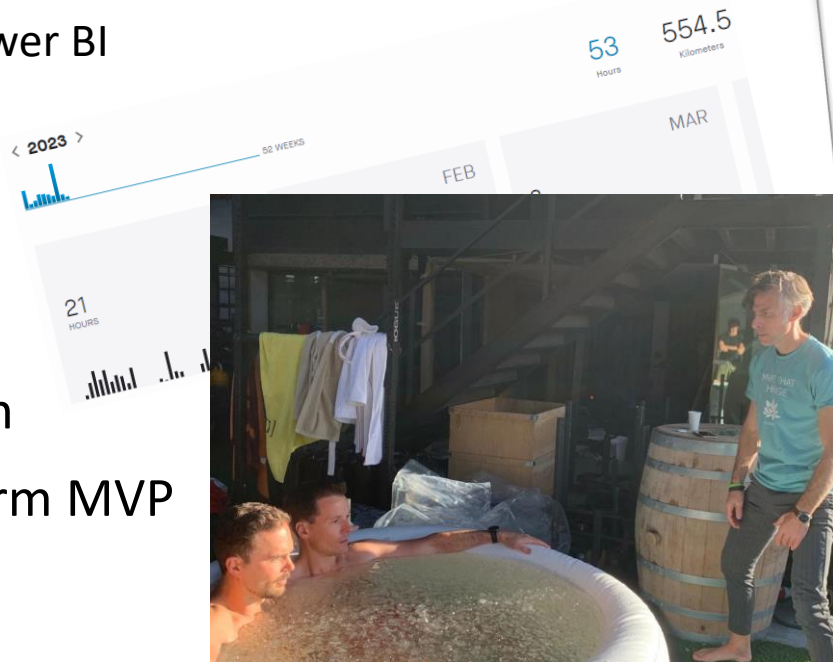
@NickyvV



nickyvv.com



Data Platform MVP



bit.ly/write-back



@NickyvV



NickyV.com

Who Are You?



bit.ly/write-back

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Microsoft Power Platform: Better Together

The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications
Innovation anywhere. Unlocks value everywhere.



Power BI
Business analytics



Power Apps
Application development



Power Automate
Process automation

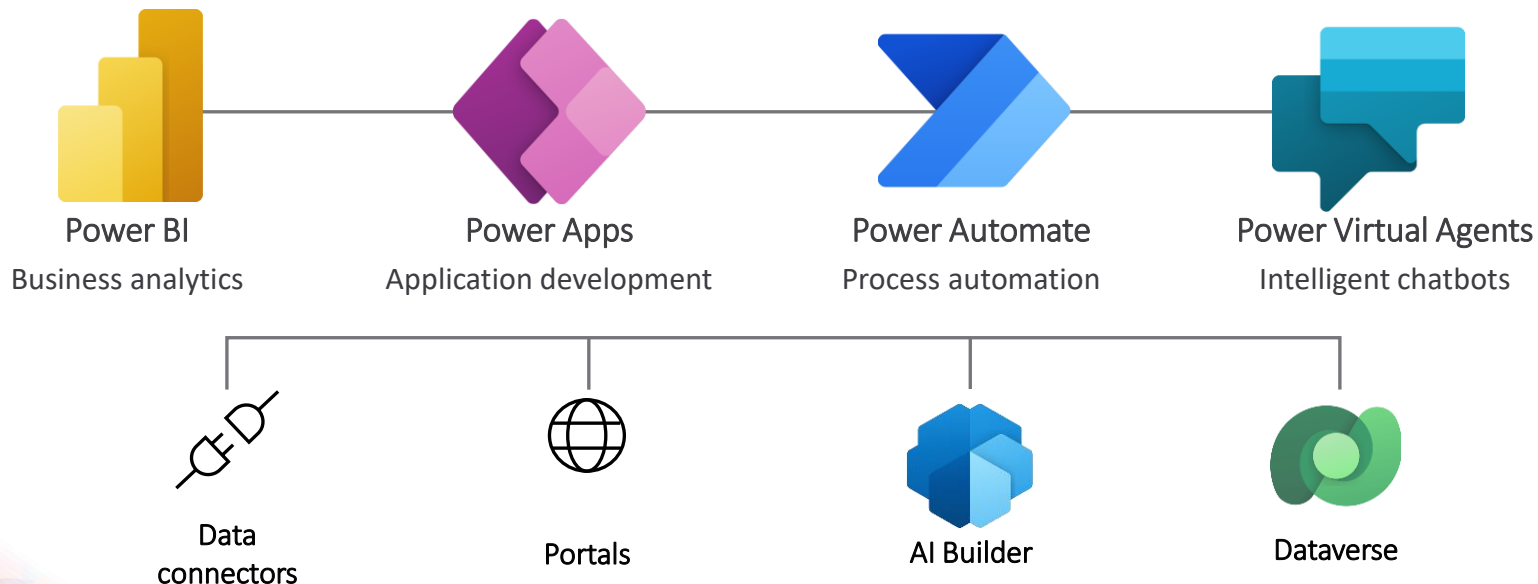


Power Virtual Agents
Intelligent chatbots



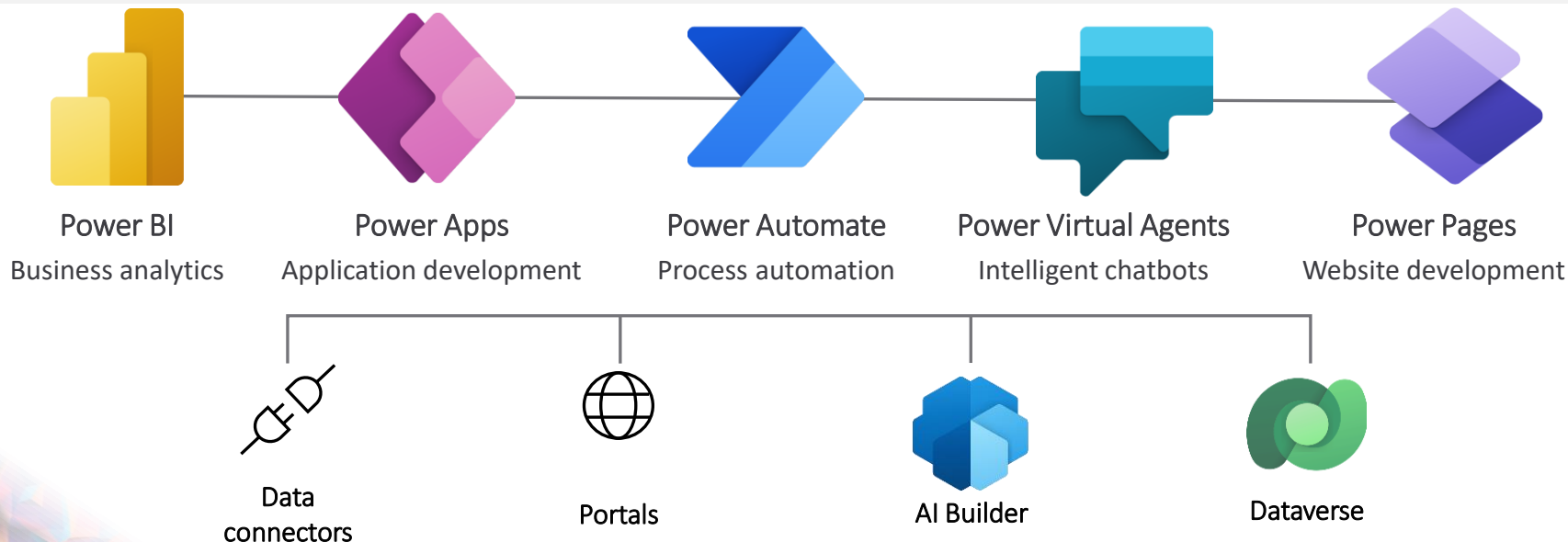
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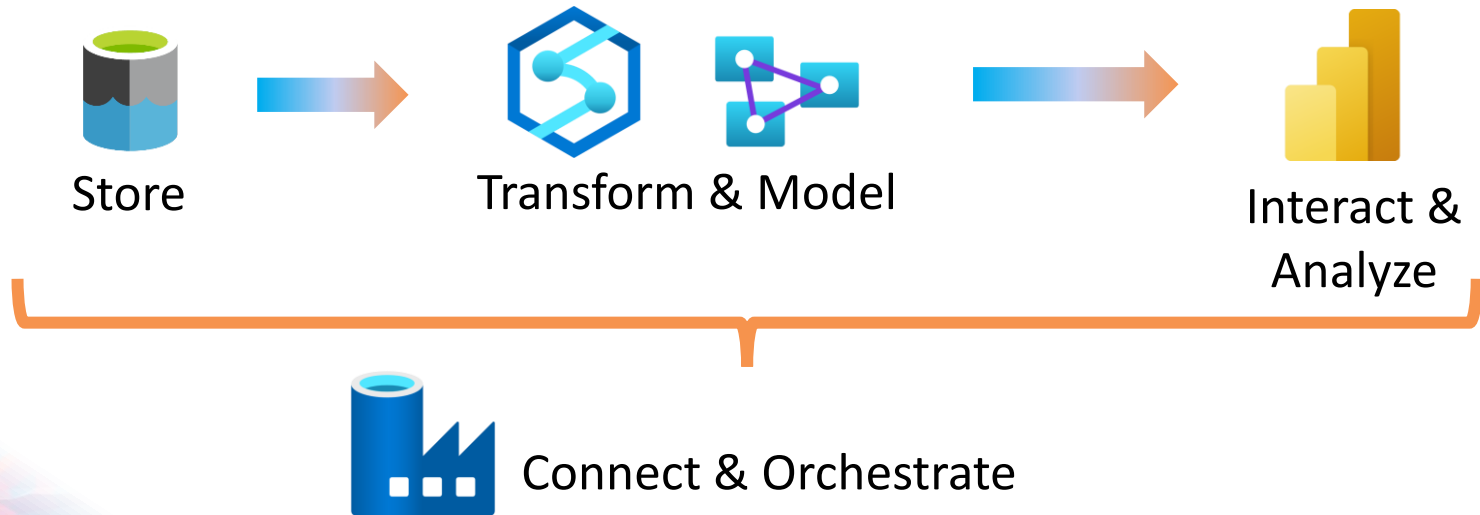
Use cases

- Data quality/harmonization
- Power BI Report comments/feedback
- Add (Sales) budgets/targets
- ...

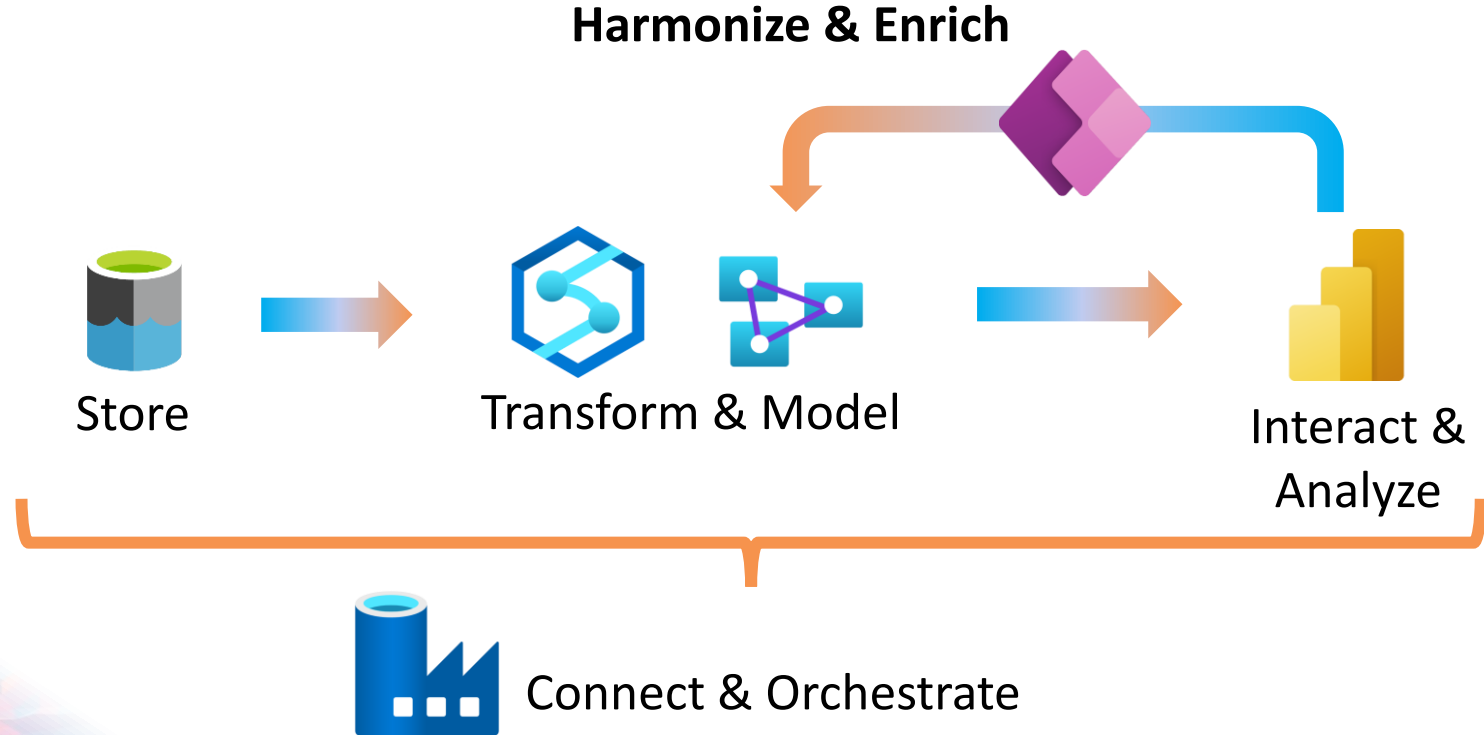
Get started:

https://community.powerbi.com/t5/Power-Platform-Integration/ct-p/pbi_integration

Power Apps for your Data platform

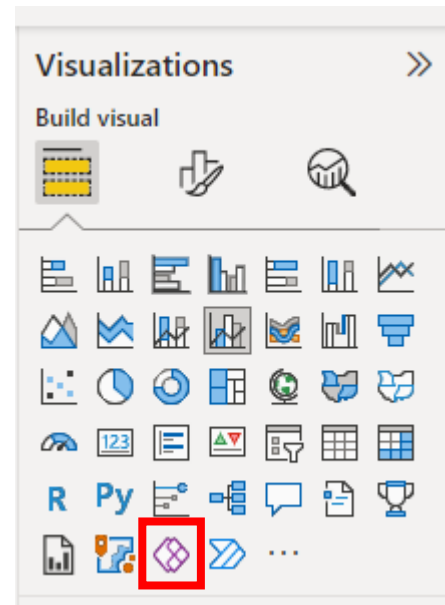
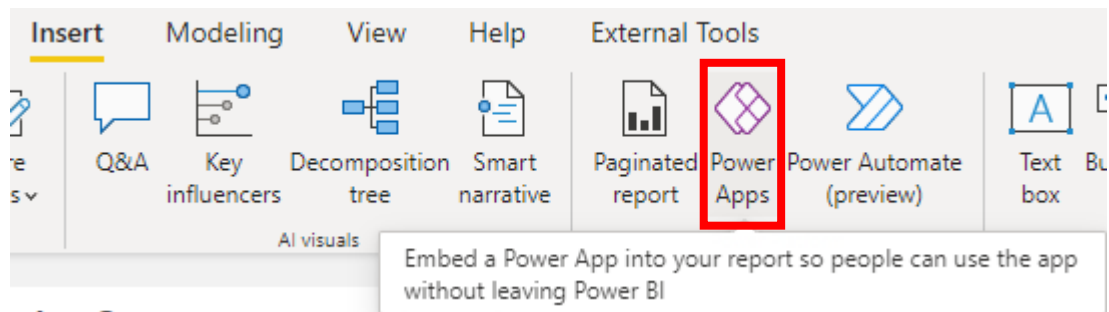


Power Apps for your Data platform

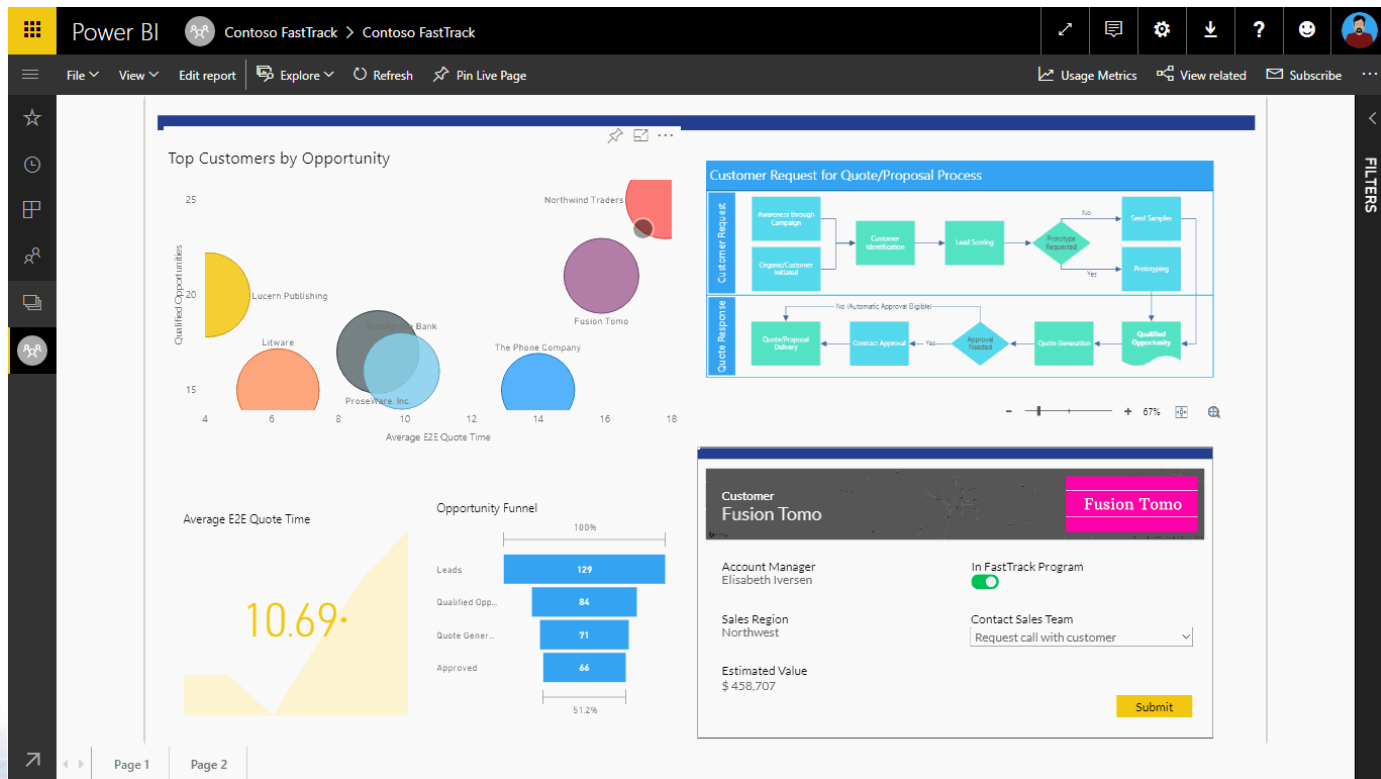


Power Apps Visual in Power BI

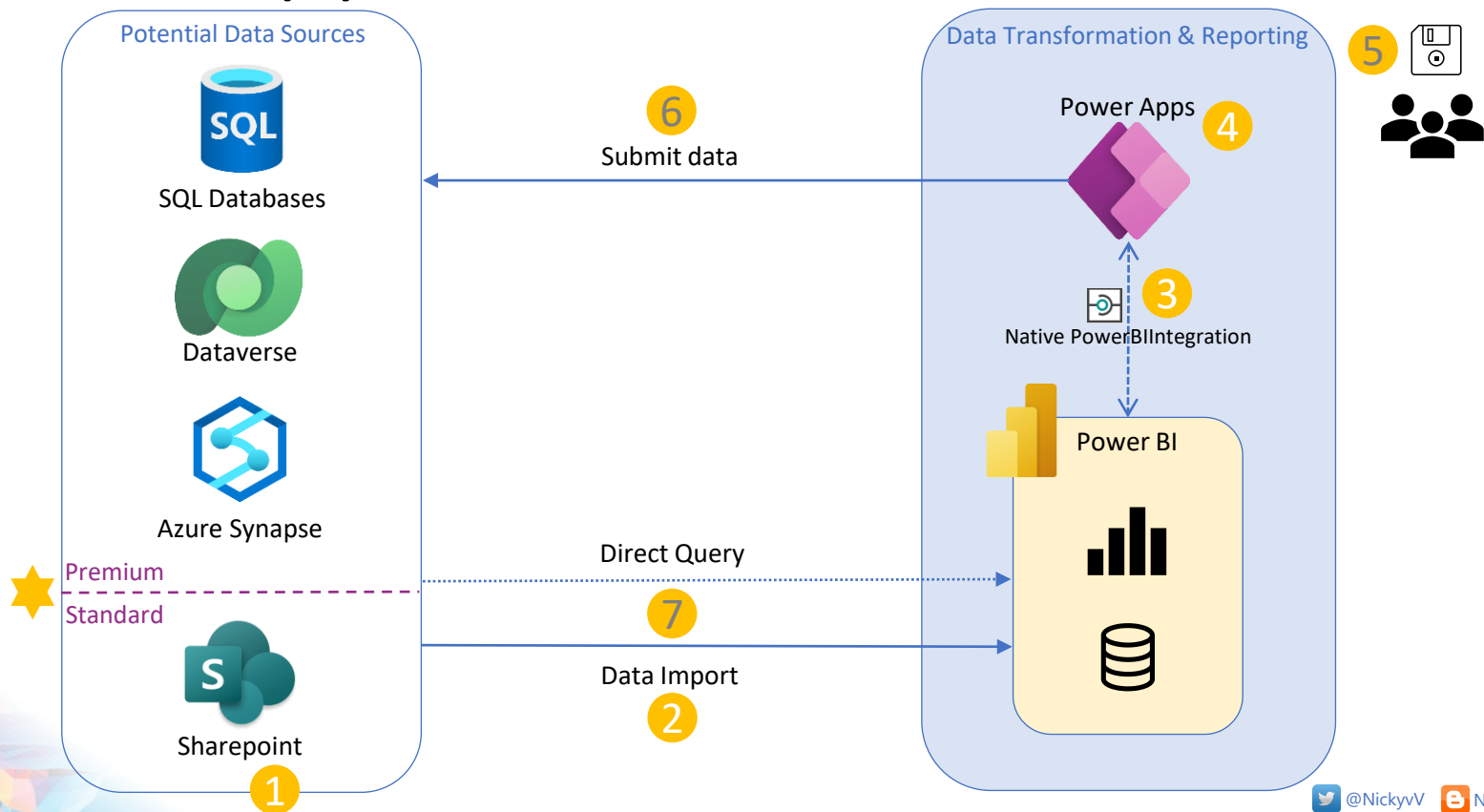
- Power Apps default Visual



Power Apps Visual in Power BI



Power Apps Architecture overview



Power Apps Architecture overview

- Power Apps default Visual
- Online development
- Edit data “in a Power BI report”
- DirectQuery mode for *live* edits

The story today: AdventureWorks Cycles



The story to

AdventureWorks Cycles

- ...enal as well as documentation.
- A. Datum Corporation (adatum.com)
 - AdventureWorks Cycles
 - Allure Bays Corp
 - Alpine Ski House (alpineskihouse.com)
 - Awesome Computers
 - Baldwin Museum of Science
 - Blue Yonder Airlines
 - City Power & Light
 - Coho Vineyard
 - Coho Winery (cohowinery.com)
 - Coho Vineyard & Winery
 - Consolidated Messenger
 - Contoso Ltd. (contoso.com)
 - Contoso Bikes & Frozen Yogurt
 - Contoso Bikes & Formal Wear
 - Contoso Bikes & Haircuts
 - Contoso Pharmaceuticals
 - CRONUS International Ltd.
 - Cpandl (cpandl.com)
 - Fabrikam, Inc. (fabrikam.com)
 - Fine Art School (fineartschool.net)
 - Fourth Coffee (fourthcoffee.com)
 - Graphic Design Institute
 - Humongous Insurance
 - Itexamworld.com
 - LitWare Inc. (litware.com)
 - Lucerne Publishing (lucernepublishing.com)
 - Margie's Travel
 - Northridge Video
 - Northwind Traders (northwindtraders.com)
 - Parnell Aerospace
 - Phone Company
 - ProseWare, Inc. (proseware.com)
 - Reskit (reskit.com)
 - Southbridge Video
 - TailSpin Toys (tailspintoys.com)
 - Tasmanian Traders
 - The Phone Company
 - Terra Firm
 - Trey Flora, Incorporated
 - Trey Research Inc.
 - WingTip Toys (wingtip toys.com)
 - Wide World Importers
 - Woodgrove Bank
 - X Construction

The story today: AdventureWorks Cycles

- Produces bikes and parts
- Central holding & franchises
- Franchisees have a periodic contract

The story today: Mr. B.



Nice (expensive) bike!

The story today: Mr. B.



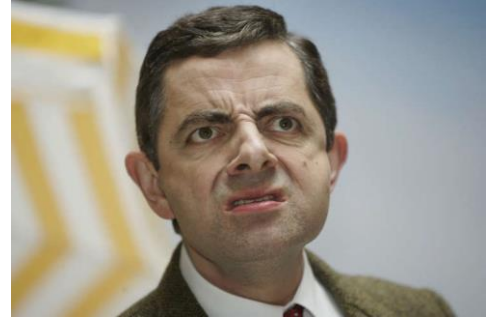
Nice (expensive) bike!



Manufactured in factory



The story today: Mr. B.



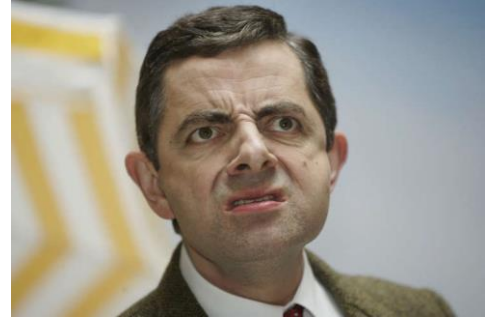
Nice (expensive) bike!

Ordered, but how much again...??

Manufactured in factory



The story today: Mr. B.



Nice (expensive) bike!

Ordered by franchisee, how much again...??

Contract non-negotiable

Manufactured in factory



The solution today: Sales Promotions

- Sales and Inventory Dashboard
- Develop an App for:
 - Promotions
 - Sales forecast



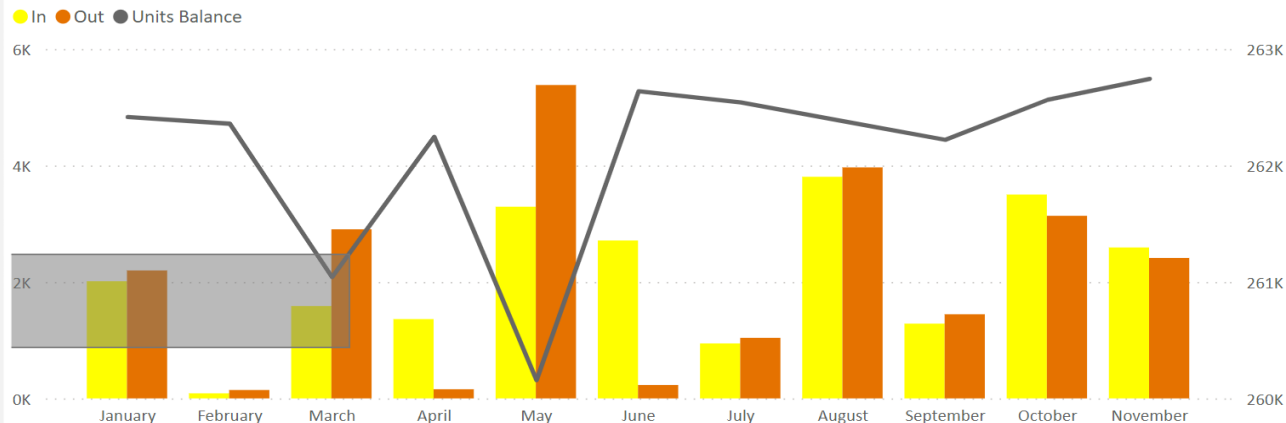
€ 15.25M

Total Sales

263K

Current Units Balance

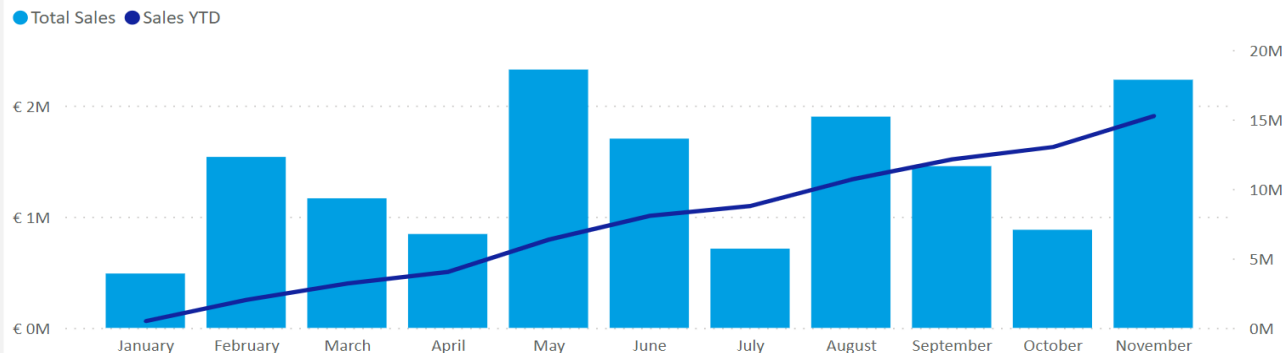
Product Inventory



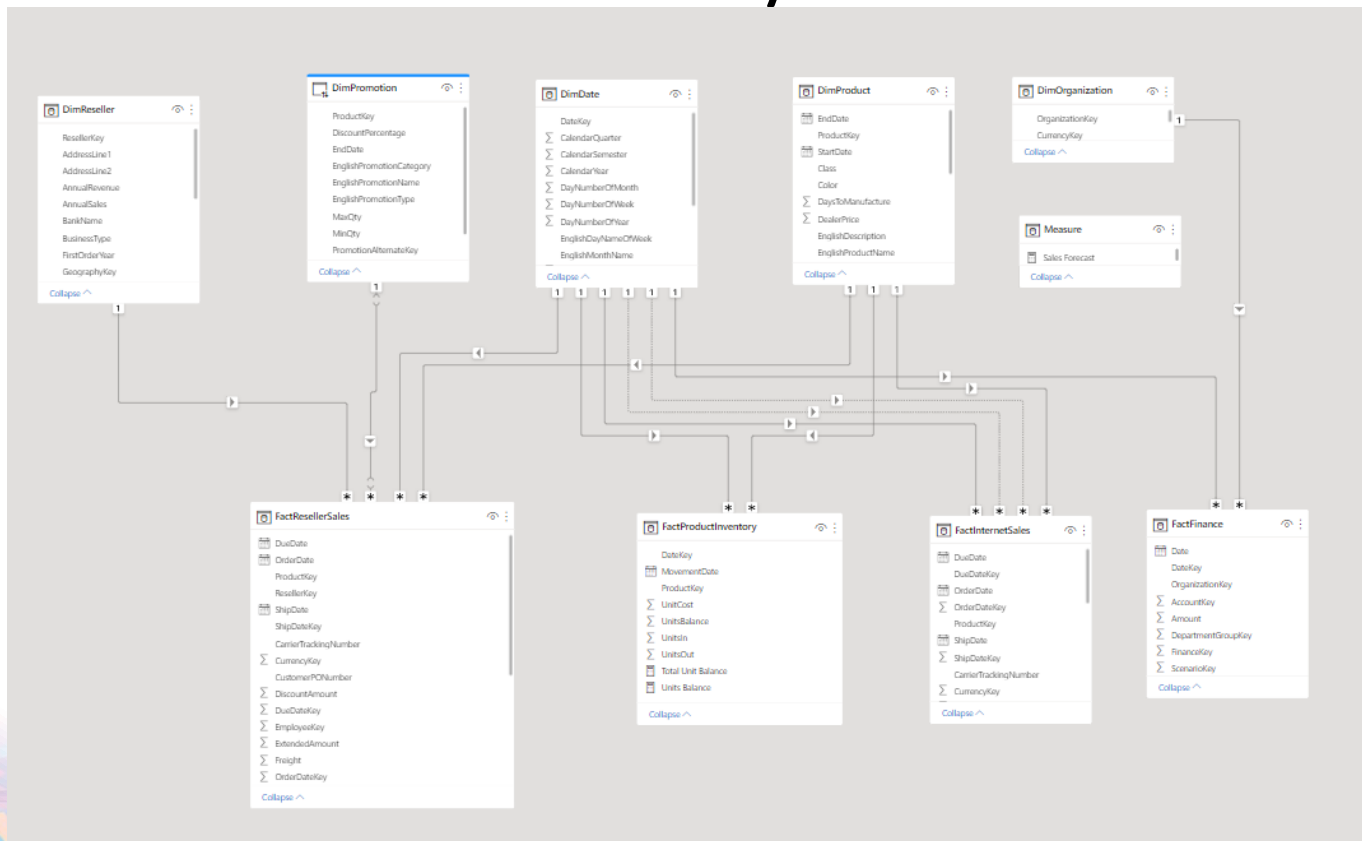
Top 10 Products

Product	Units Balance	Total Sales
Road-150 Red, 62	250	€ 470,184.68
Mountain-100 Silver, 38	149	€ 1,058,756.89
Mountain-100 Silver, 48	100	€ 875,157.43
Road-150 Red, 44	100	€ 298,427.72
Road-150 Red, 52	100	€ 294,133.79
Road-150 Red, 56	100	€ 740,701.89
Mountain-100 Black, 42	99	€ 1,069,942.03
Mountain-100 Silver, 42	99	€ 1,014,412.86
Mountain-100 Black, 48	97	€ 1,008,447.01
Mountain-100 Silver, 44	96	€ 1,023,538.43

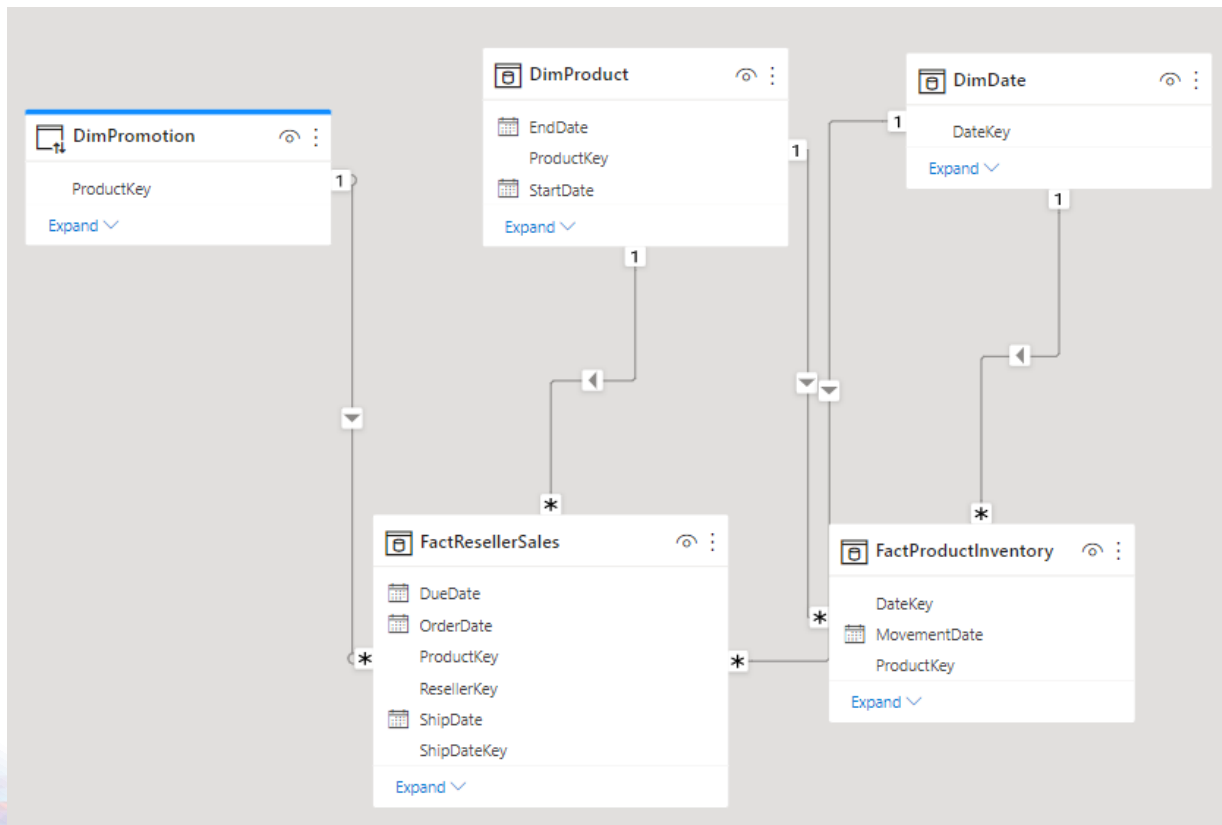
Total Sales



The solution today: Data model



The solution today: Data model



Demo Time!



Gotchas

- **Connectors**

- **Standard**

- Excel Online, SharePoint
 - Microsoft Forms, ToDo, Outlook
 - Power Platform products, Teams

- **Premium**

- Azure (Data Factory, Data Lake, DevOps, ...)
 - **SQL Server**

- **Licensing**

- Per App plan: €5 (actually per user/app/month/environment)
 - Per User plan: €20 (per month)
 - Pay-As-You-Go: €10 (per active user/app/month)

Gotchas

- Data Loss Prevention Policy

Power Platform admin center

DLP Policies > Edit Policy

✓ Policy name
Default DLP Policy

✓ Prebuilt
connectors

✓ Custom
connectors

Assign connectors ⓘ

Business (55)

Non-business (576) | Default

Blocked (0)

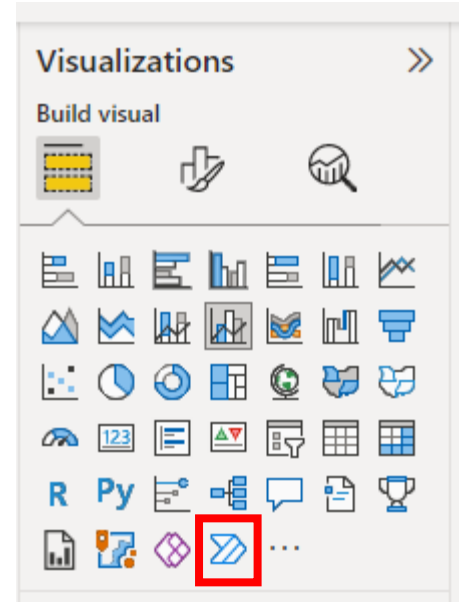
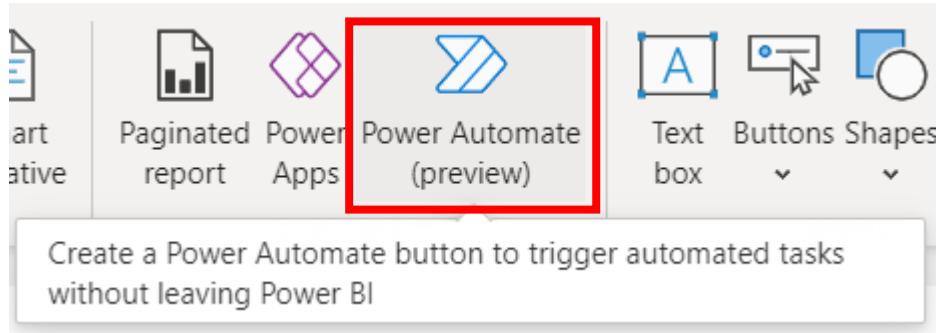
Limitations

- # of records
- Power Apps can't filter data in Power BI
- Share the Power App separately
- N/A in Power BI Report Server

But, there's more...



Power Automate Visual in Power BI



- Run a flow from a button inside Power BI

Resources

- [Getting started with PowerApps](#)
- [Limitations of the Power Apps visual](#)
- [Connector reference overview](#)
- [Modify individual cells without write permissions in Power BI | Write back in Power BI](#)
- [Create a PowerApp from scratch that refreshes a dataset in Power BI using PowerBIIntegration.Refresh](#)
- [Writeback Comments in Power BI Using Power Apps](#)

Feedback?

<https://sqlb.it/?10218>



Enjoy the rest of your conference!



NickyvV.com



@NickyvV



www.linkedin.com/in/nickyvanvroenhoven/



Powerdobs.nl

Feedback?

