

# Write-back with Power Apps in Power BI

Nicky van Vroenhoven

Who Are You? [bit.ly/write-back](https://bit.ly/write-back)



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# Who Are You?



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## Write-back - Who Are You?

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

\* Required

1. What is your name?

Enter your answer

How-to: [nickyvv.com/2019/12](https://nickyvv.com/2019/12)

# Nicky van Vroenhoven

Unit Lead Power BI



Powerdobs

Microsoft  
Partner



Gold Data Analytics

Silver Application Integration



@NickyvV



nickyvv.com



Power BI Super User

[community.powerbi.com](https://community.powerbi.com)



Microsoft  
Most Valuable  
Professional

Data Platform MVP



[bit.ly/write-back](https://bit.ly/write-back)



@NickyvV



NickyV.com

# Who Are You?



[bit.ly/write-back](https://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.



# 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



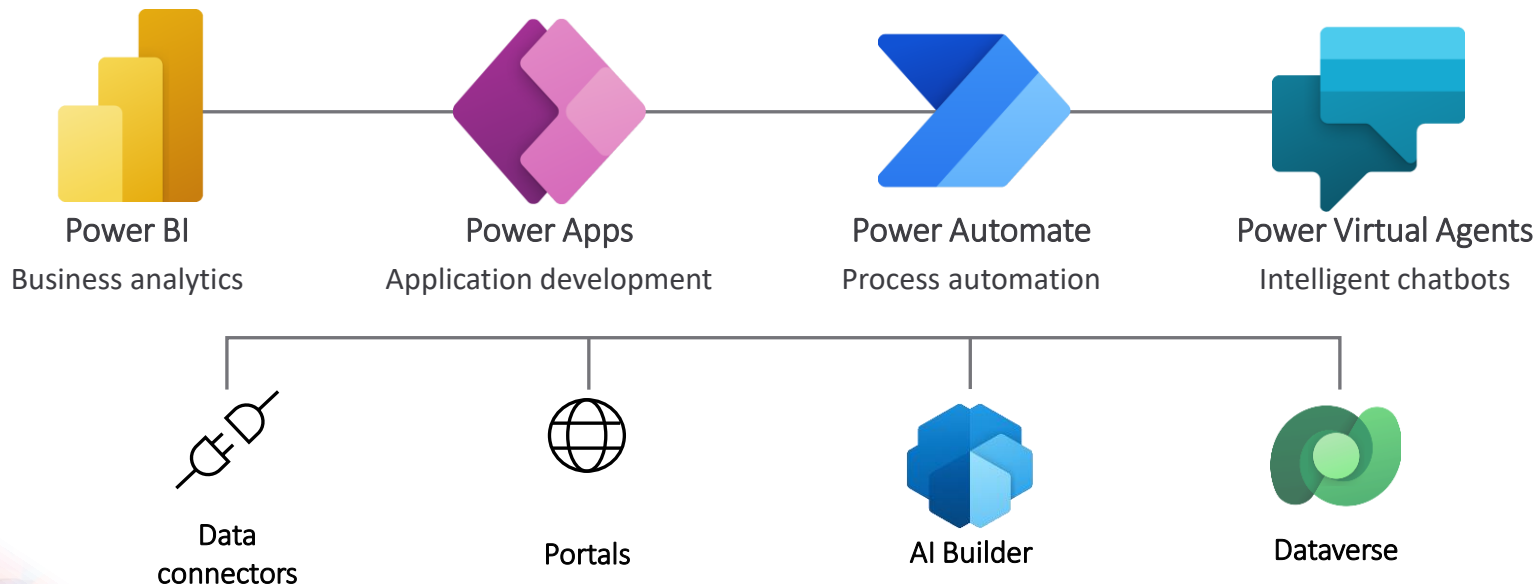
Power Virtual Agents

Intelligent chatbots



# Microsoft Power Platform: Better Together

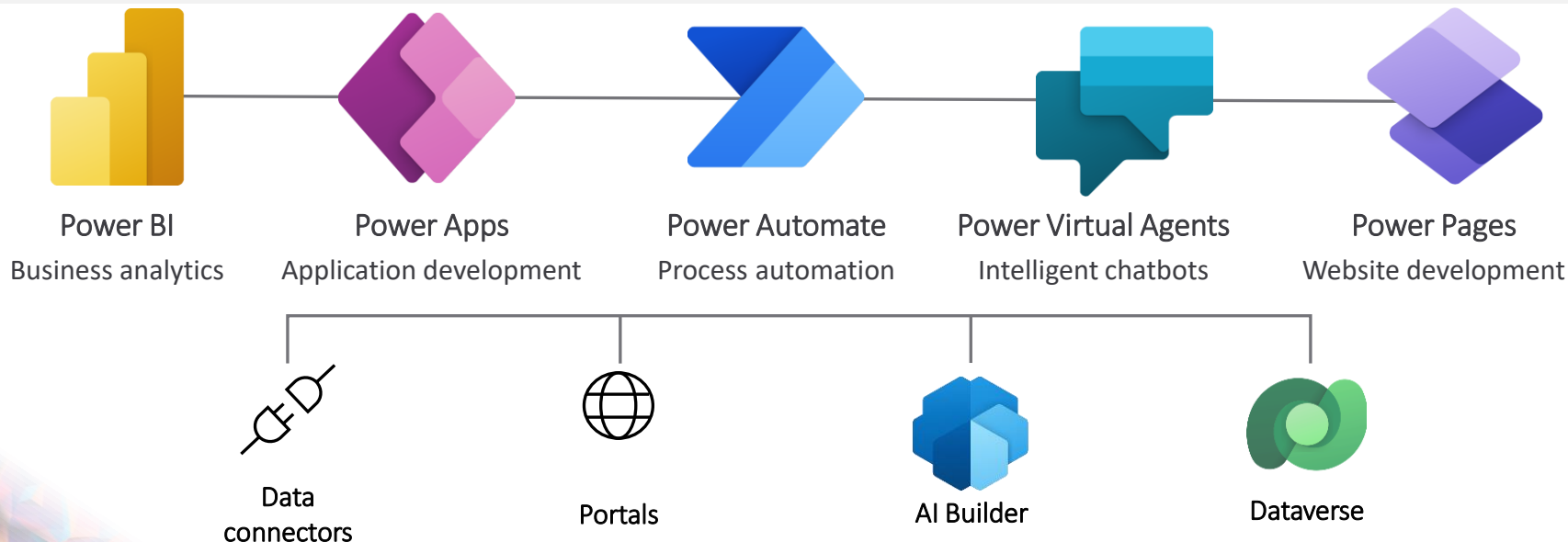
The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications  
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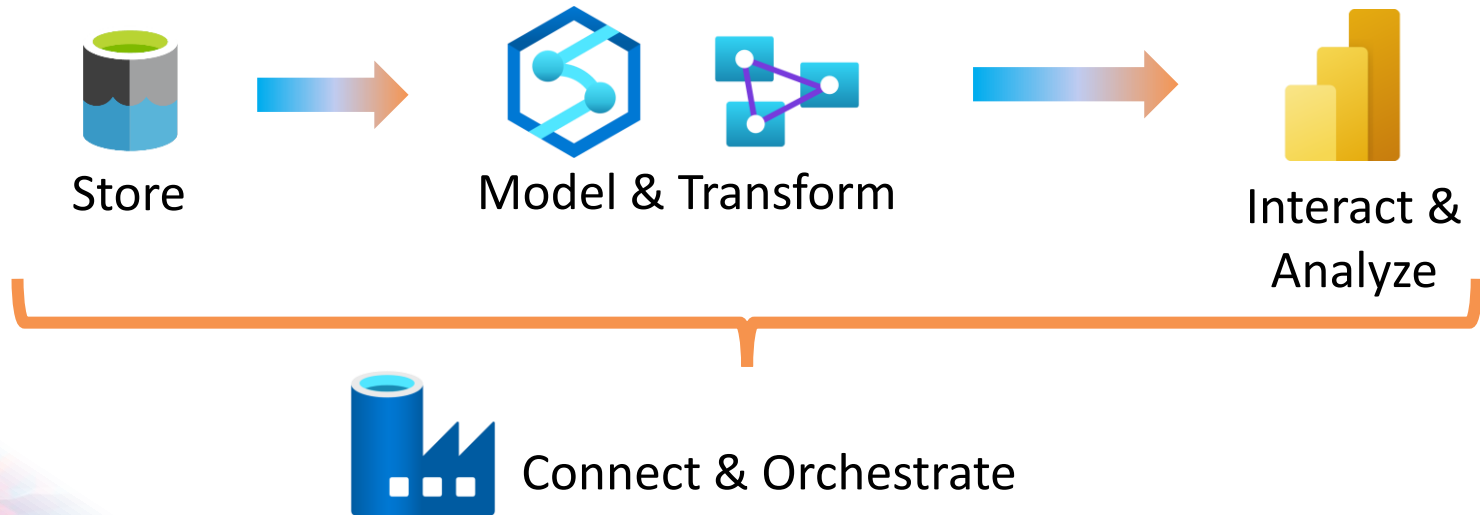


# Microsoft Power Platform: Better Together

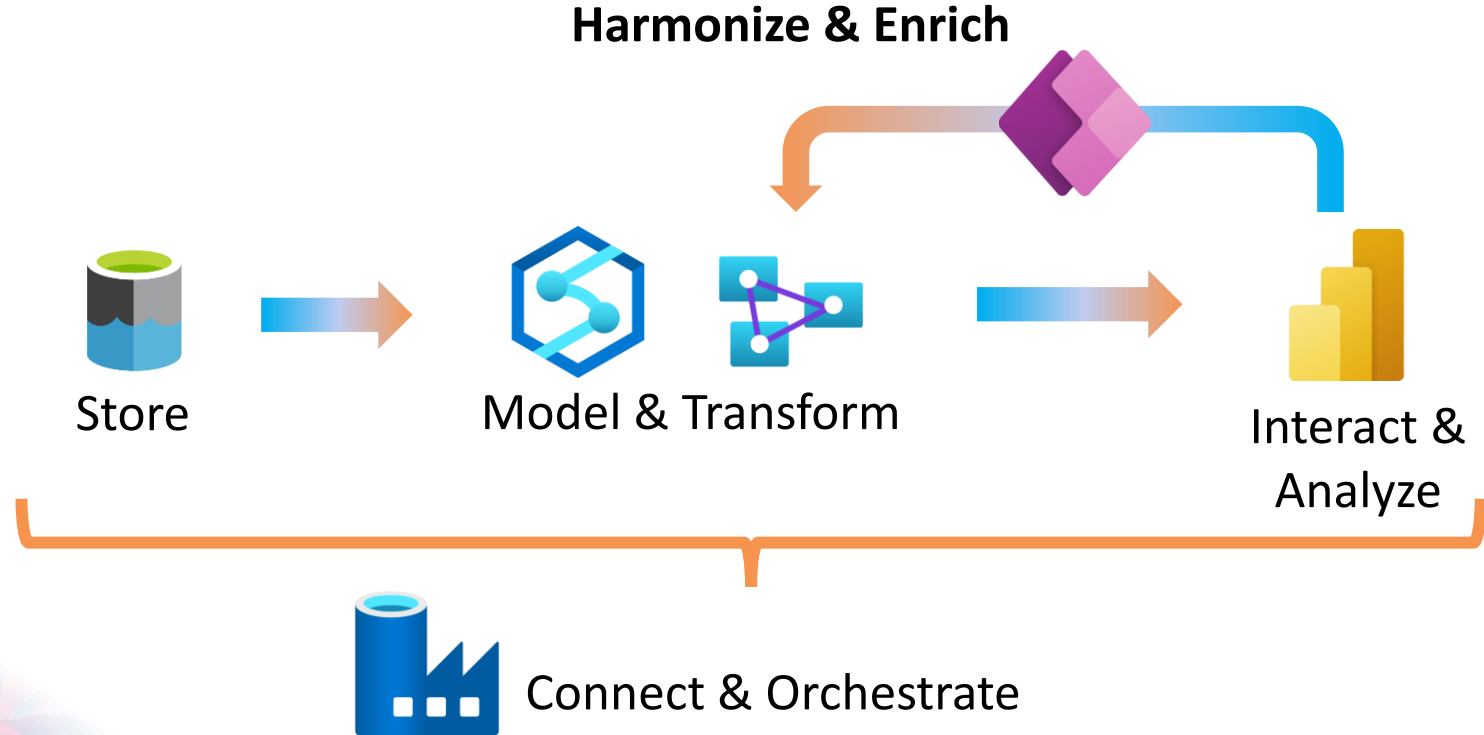
The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications  
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# Power Apps for your Data platform

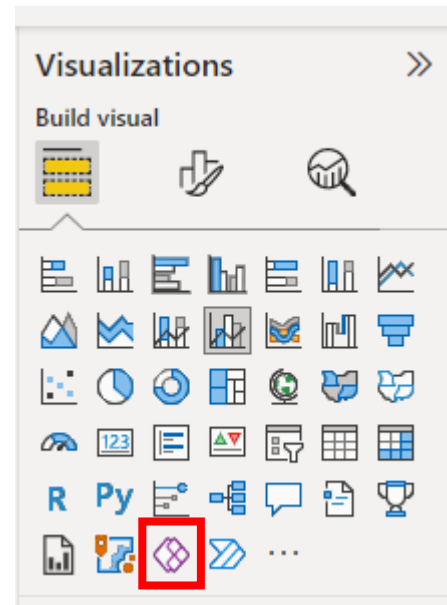
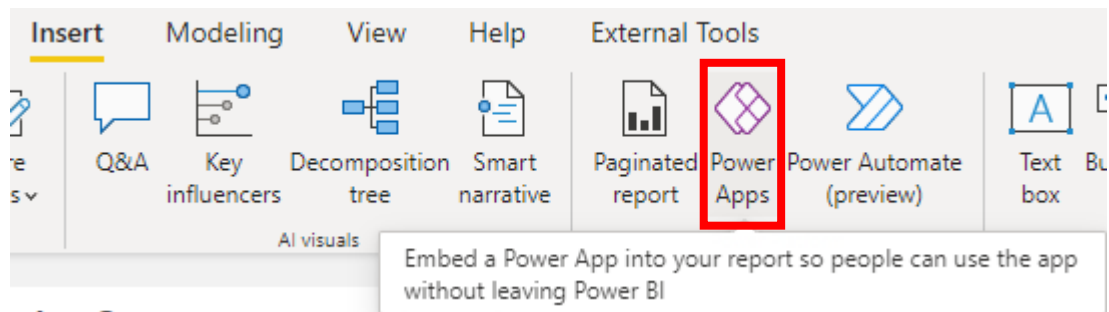


# Power Apps for your Data platform

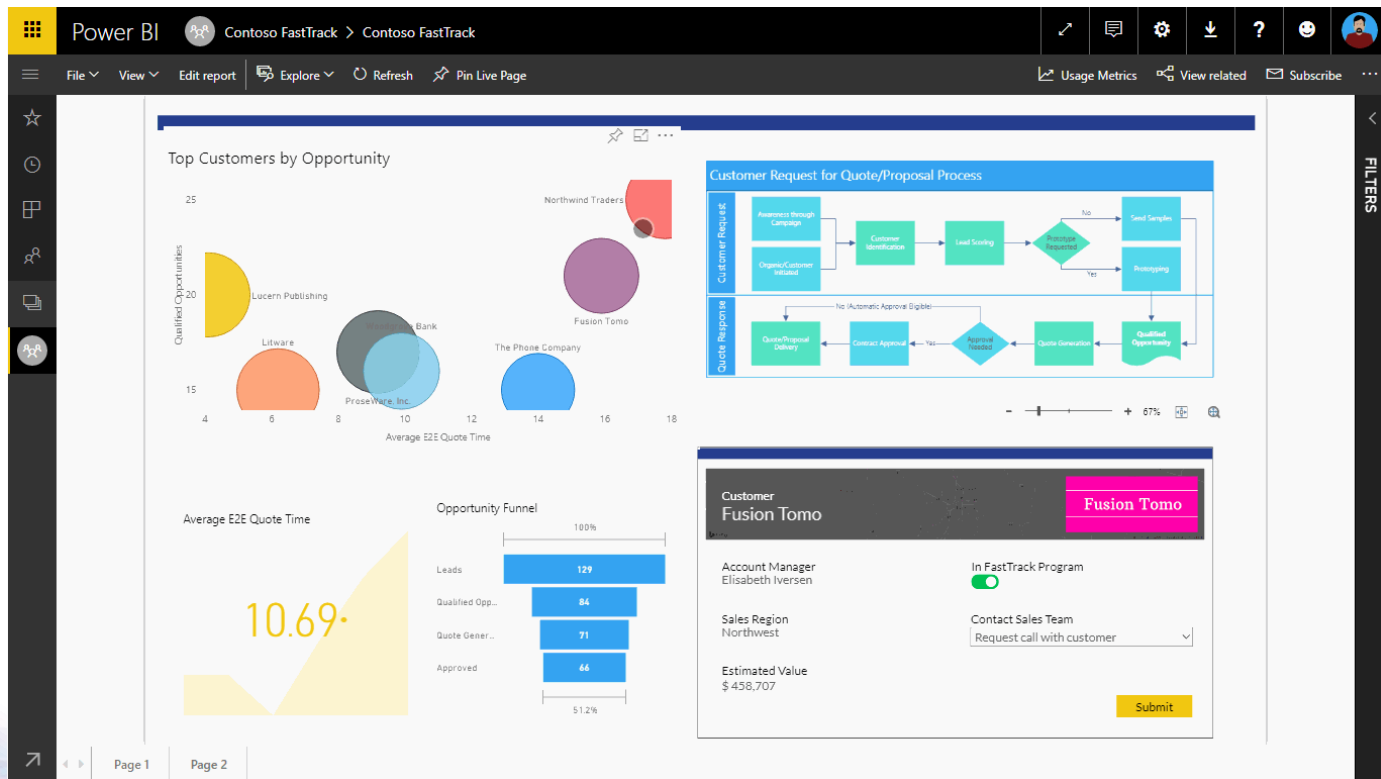


# Power Apps Visual in Power BI

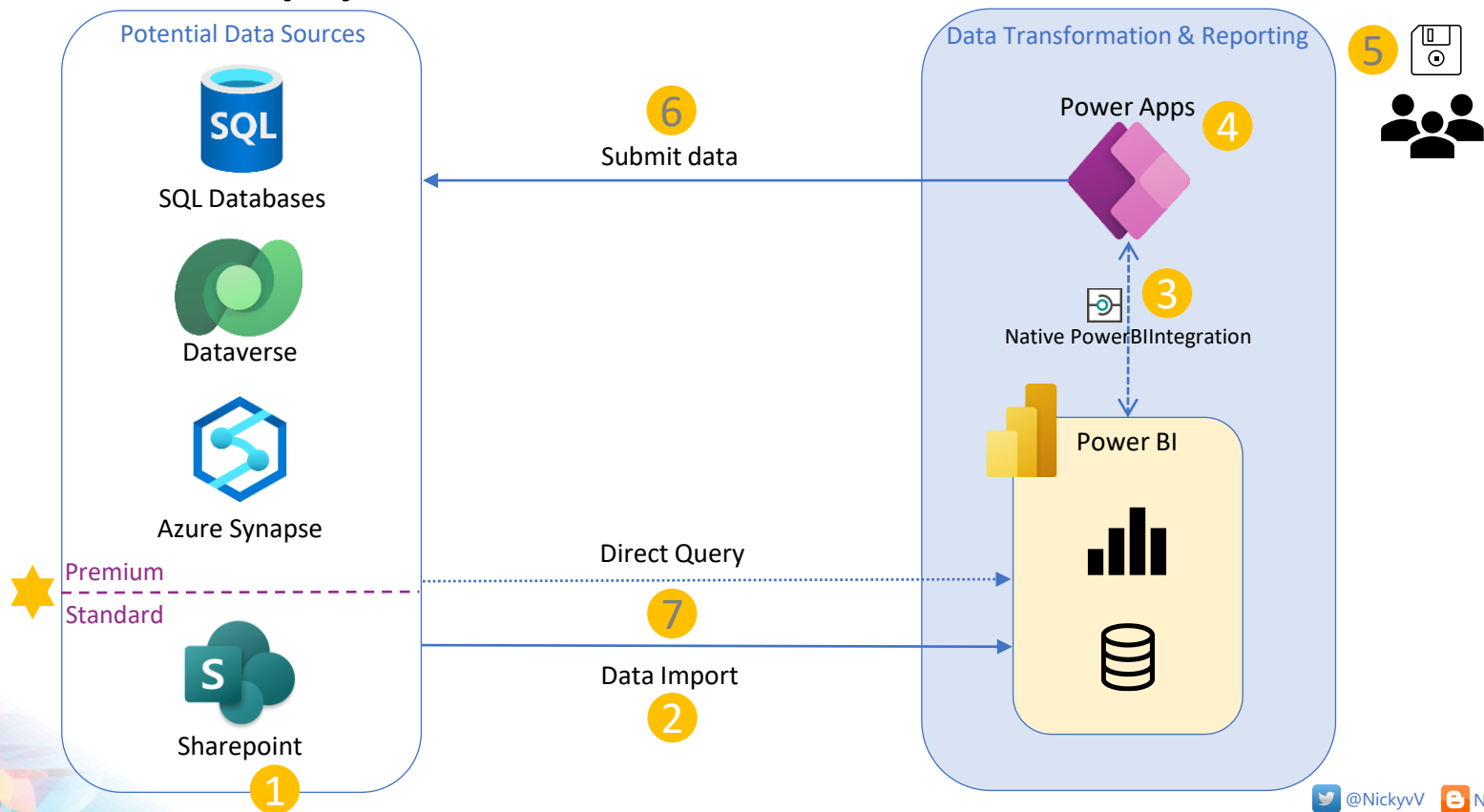
- Power Apps default Visual



# 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)
  - Fine Art School (fineartskam.com )
  - Fourth Coffee (fourthcoffee.net)
  - 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
- Back to the ~~future~~ past: end of the year

# The story today: Mr. B.



**Nice (expensive) bike!**

# The story today: Mr. B.



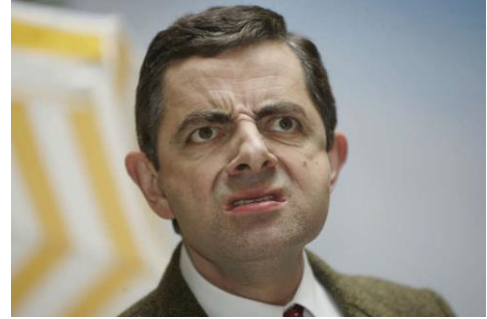
Nice (expensive) bike!



Manufactured in factory



# The story today: Mr. B.



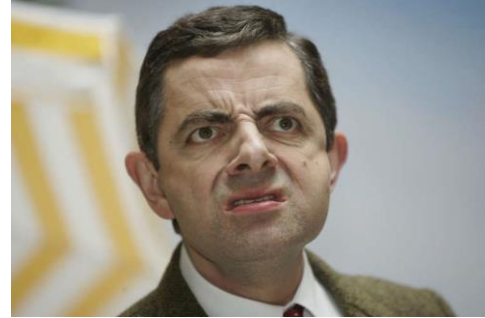
Nice (expensive) bike!

Ordered by franchisee, 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
  - Promotions
  - Sales forecast



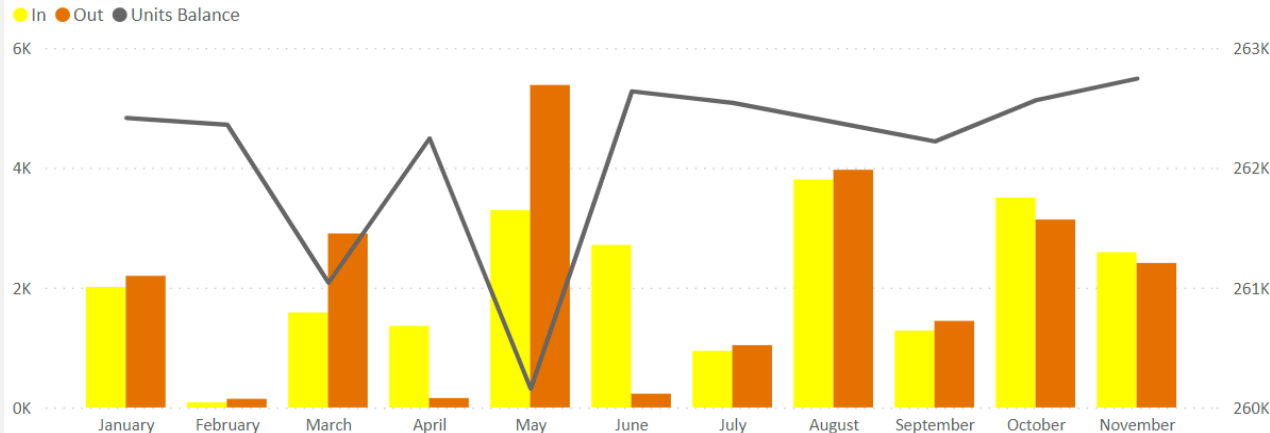
€ 15.25M

Total Sales

263K

Current Units Balance

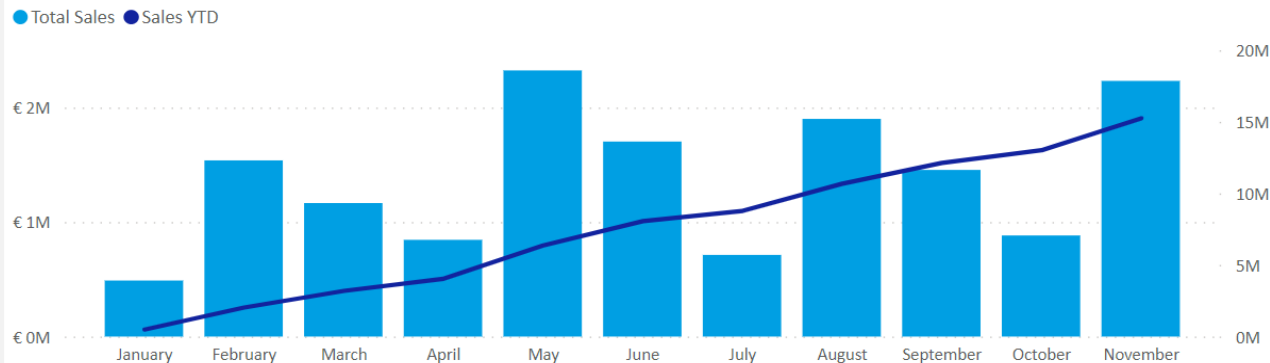
## Product Inventory



## Top 10 Products

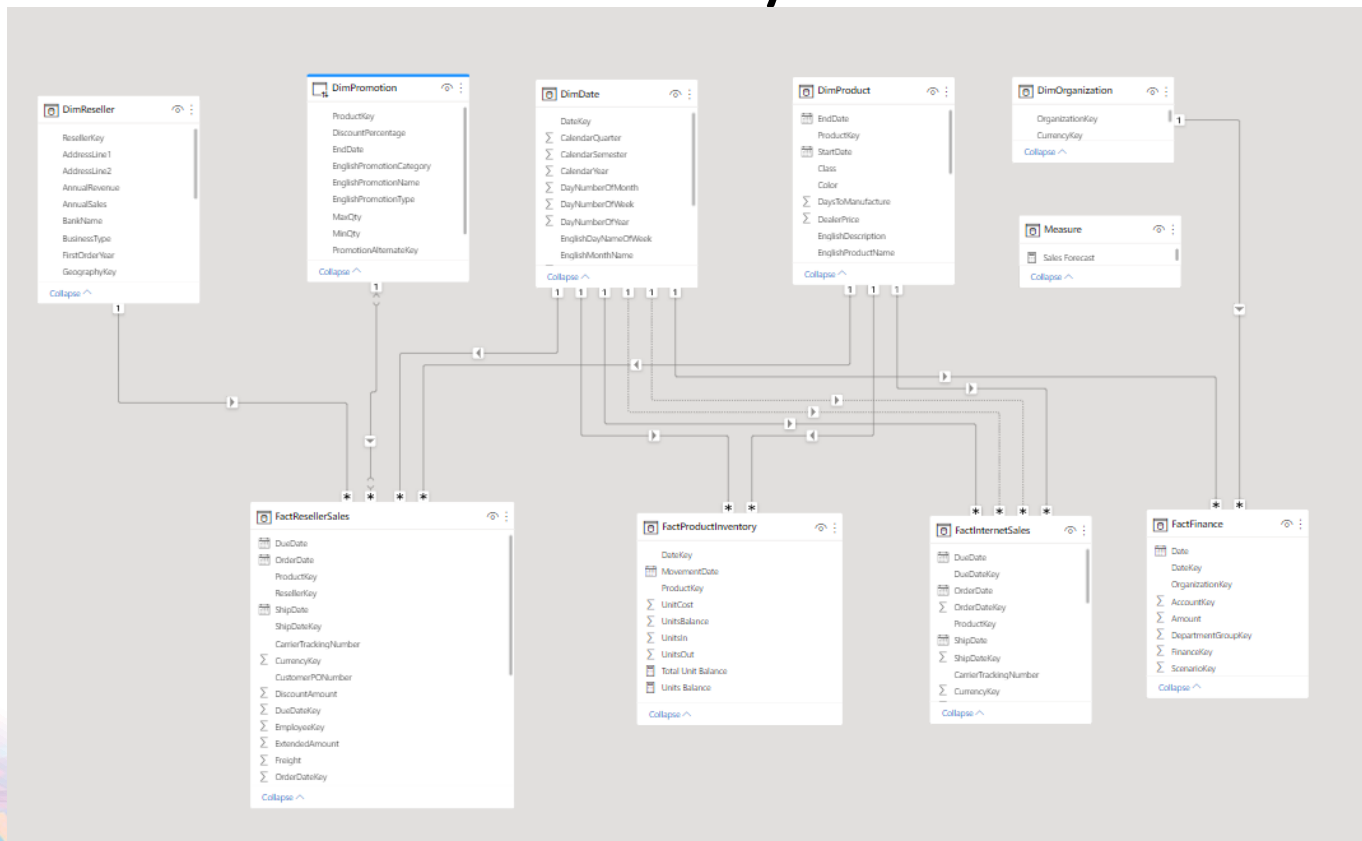
Product	Units Balance	Total Sales
Road-150 Red, 62	250	€ 470,184.68
Mountain-100 Silver, 38	149	€ 1,058,756.89
Mountain-100 Silver, 48	100	€ 875,157.43
Road-150 Red, 44	100	€ 298,427.72
Road-150 Red, 52	100	€ 294,133.79
Road-150 Red, 56	100	€ 740,701.89
Mountain-100 Black, 42	99	€ 1,069,942.03
Mountain-100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

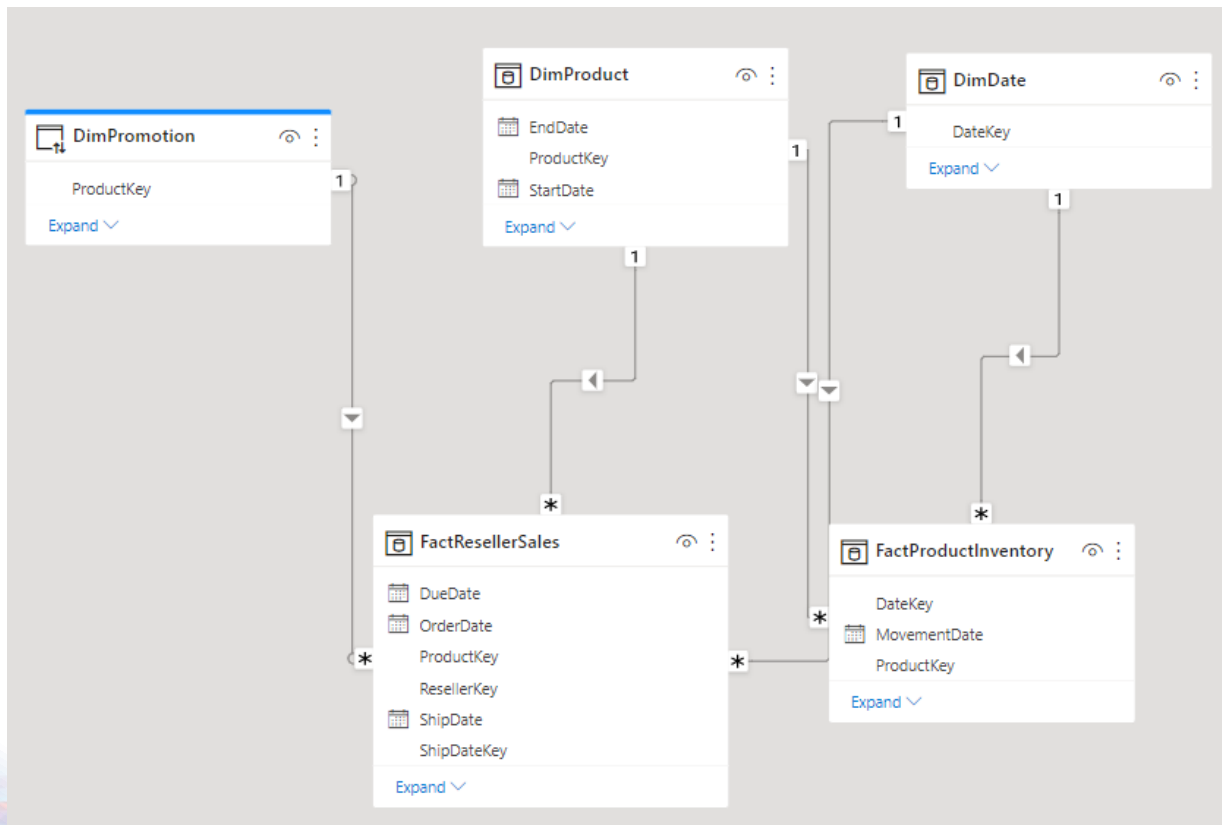




# The solution today: Data model



# 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

## 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

# Other use cases

- Data quality/harmonization
- Power BI Report comments/feedback
- ...

Get started:

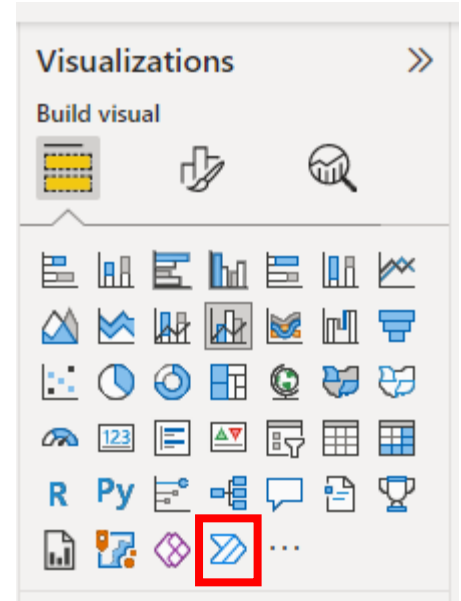
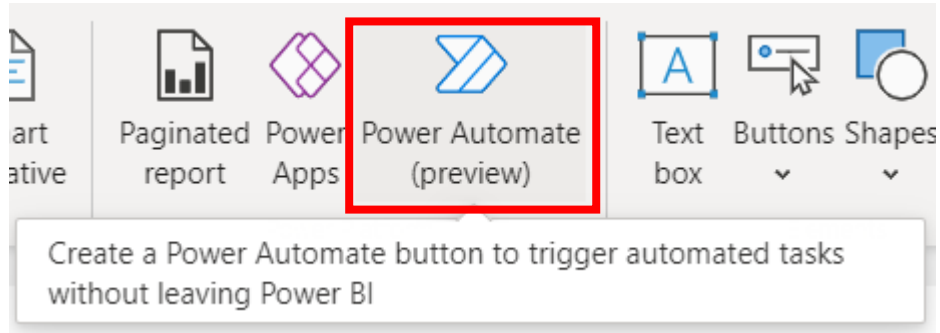
[https://community.powerbi.com/t5/Power-Platform-Integration/ct-p/pbi\\_integration](https://community.powerbi.com/t5/Power-Platform-Integration/ct-p/pbi_integration)

# 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?

[evals.datagrillen.com](https://evals.datagrillen.com)



# Let's connect!



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@NickyvV



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Powerdobs.nl

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