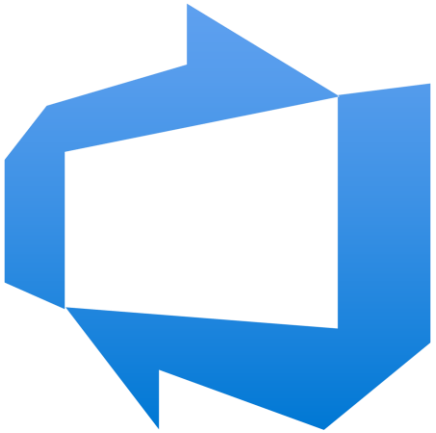
Microsoft Fabric and Azure DevOps – The story so far

Microsoft Fabric



Azure DevOps

Kevin Chant

Managing expectations

- Demos during the session
- All on Trial tenant (no NDA material)
- Won’t cover lot of historic Power BI methods (API’s, etc)

Agenda

- Bio
- Intro to Microsoft Fabric
- Intro to Azure DevOps
- Git integration
- Data Warehouse

Kevin Chant

- Data Engineering Manager in the Netherlands
- Worked in IT since the days of Windows 95
- Experience in various sectors
- Various certifications, dual-category MVP

Microsoft® MVP Most Valuable Professional

- Twitter/Blue Sky: @kevchant
- LI: https://www.linkedin.com/in/kevin-chant/
- Blog: https://www.KevinRChant.com
- GitHub: https://github.com/kevchant

AZURE SYNAPSE CHAMPION 2022

Microsoft CERTIFIED AZURE DATA ENGINEER ASSOCIATE

Microsoft CERTIFIED DEVOPS ENGINEER EXPERT

Microsoft Fabric

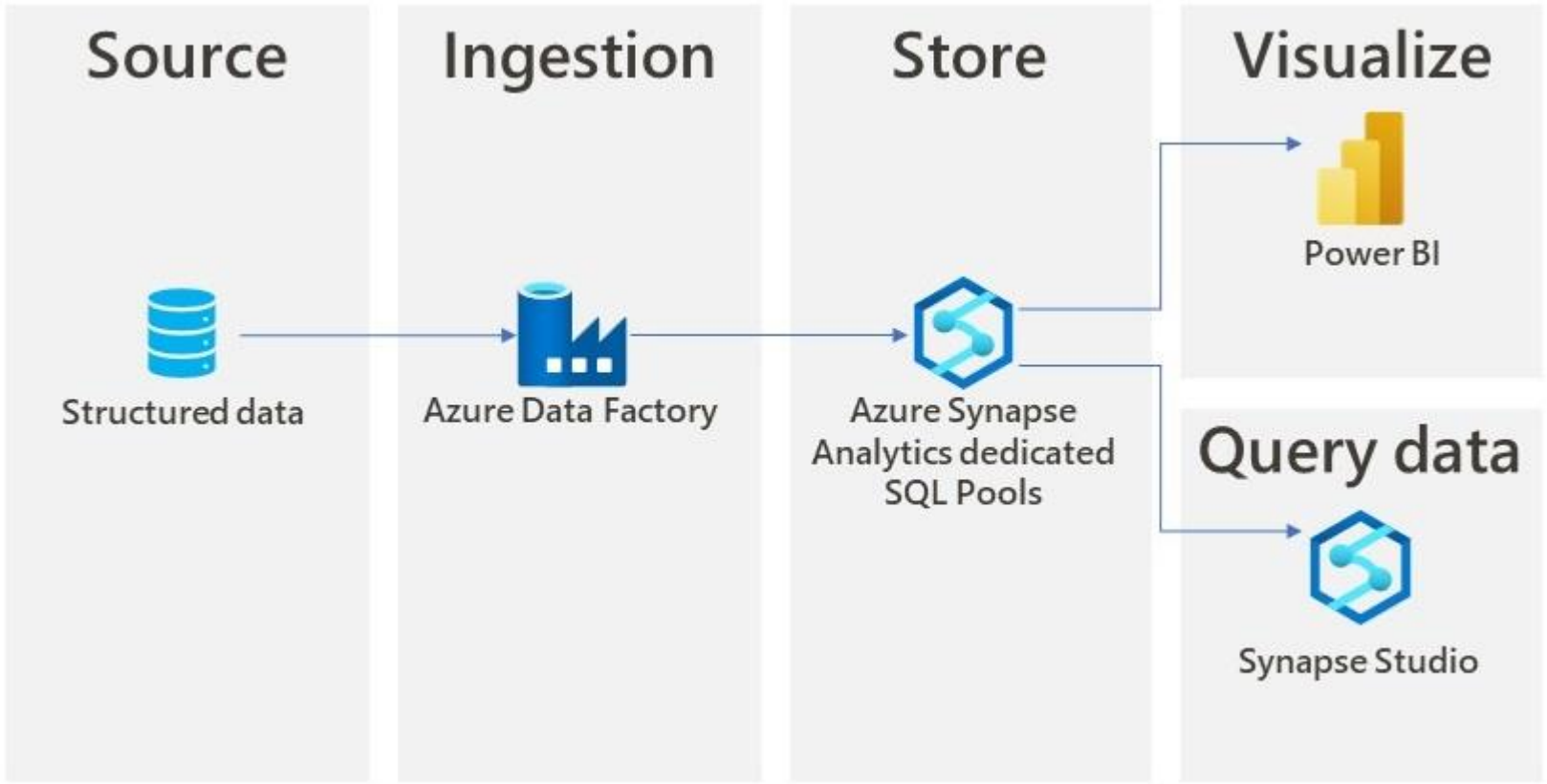
Comp analytics platform

Lake centric and open

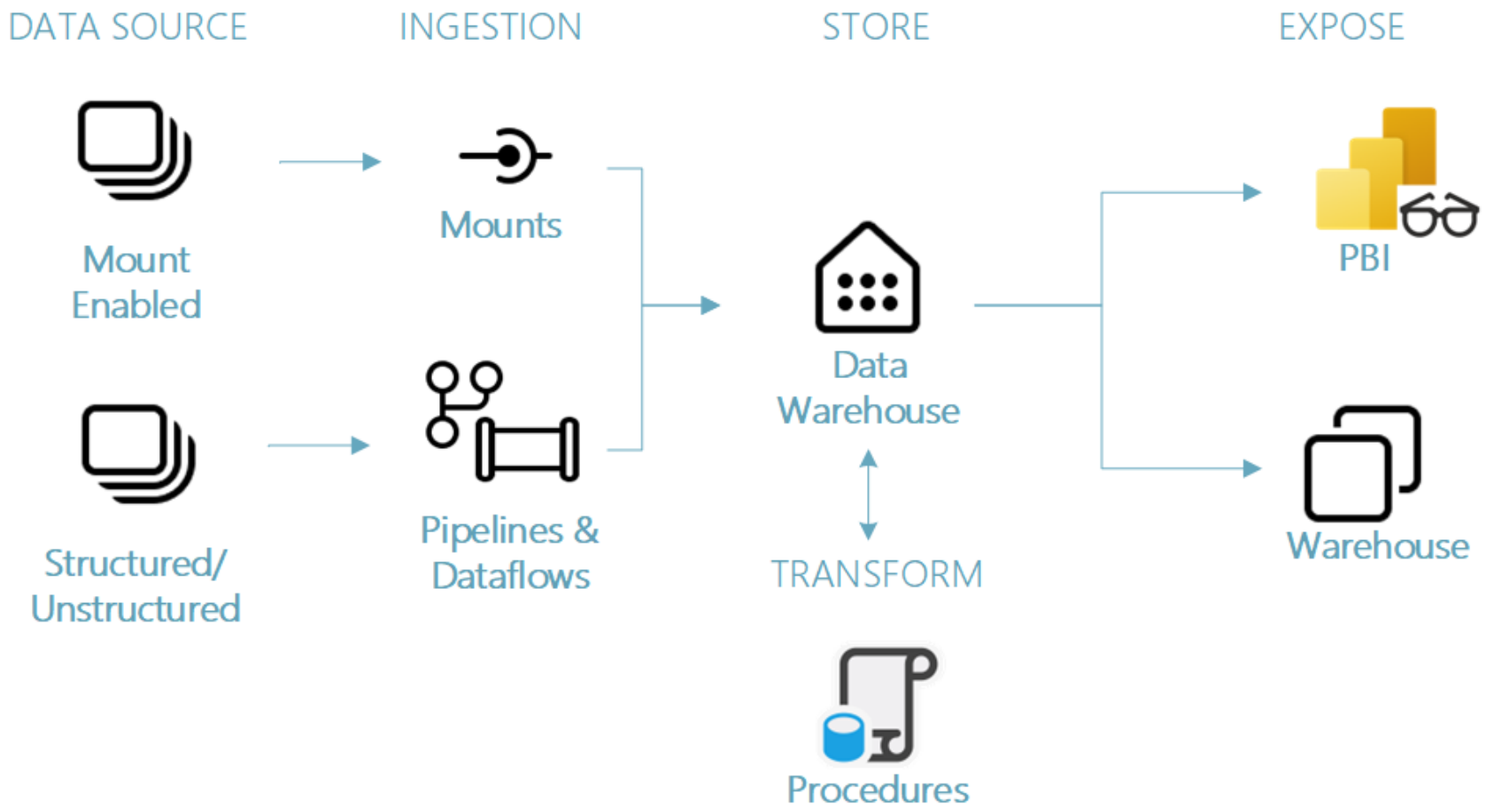
Empower every Business user

AI Powered

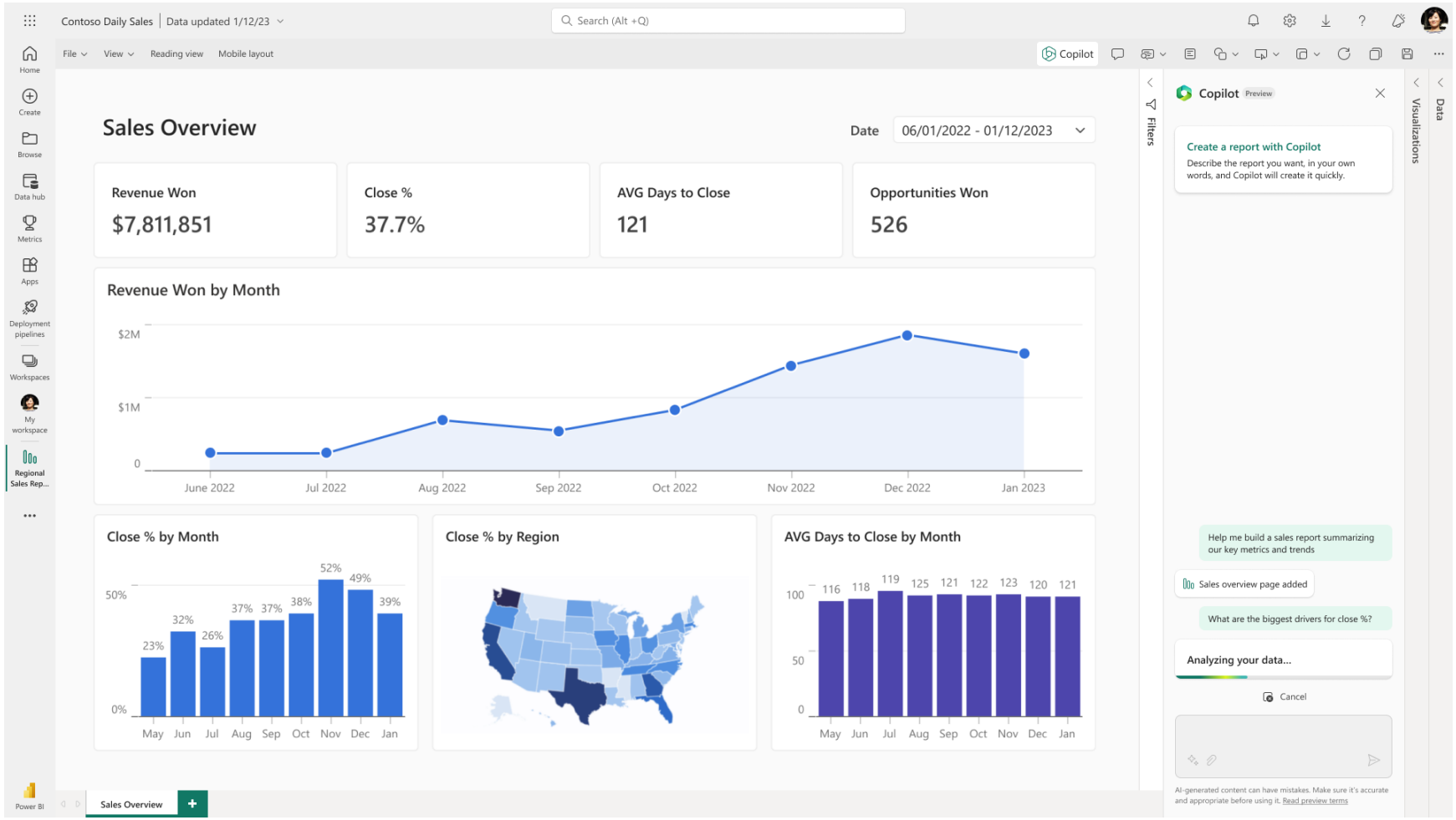
Integrating various services



Within Microsoft Fabric



AI capabilities



Other auxiliary services as well

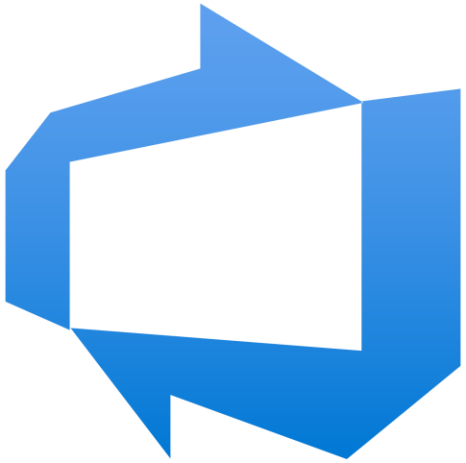
- Git integration
- Purview integration
- Security (coming soon)

Fabric Demo

Azure DevOps

- Manages Application Lifecycle Management
- Two main versions
- Collection of services

Azure DevOps Demo



Microsoft Fabric Git Integration

- Allows synchronize supported items with a Git repository
- Supports Azure DevOps repositories
- Requires Fabric or Power BI premium license

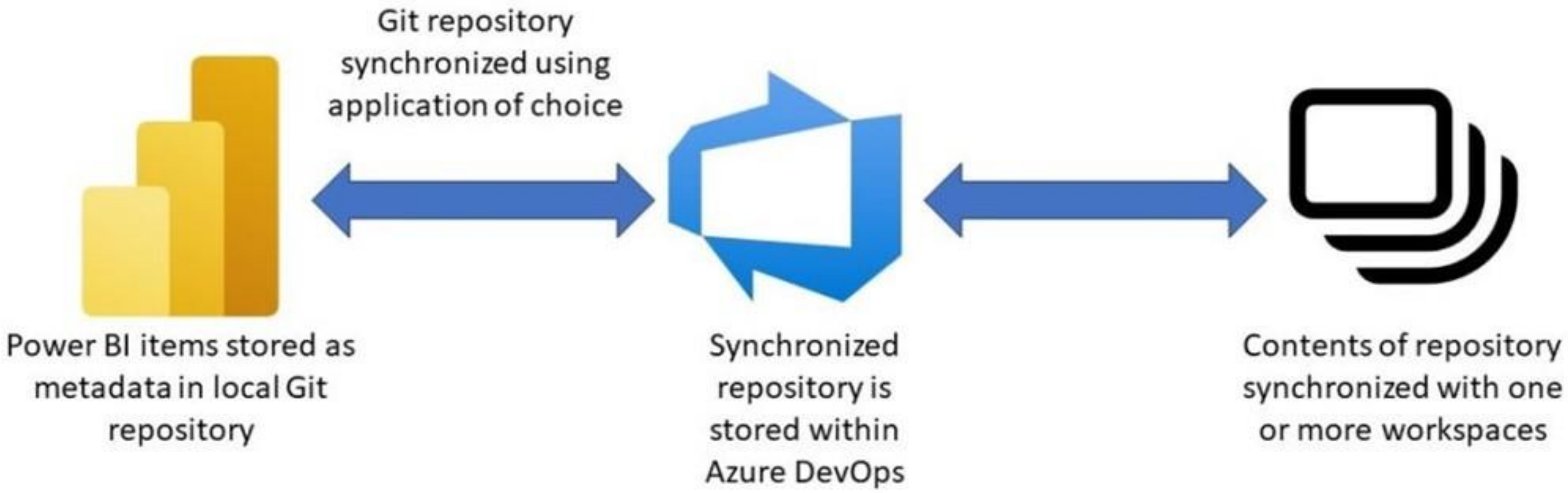
Working with Power BI projects

- Power BI Projects in Preview
- Stores metadata in various files
- Can be used with Microsoft Fabric Git integration

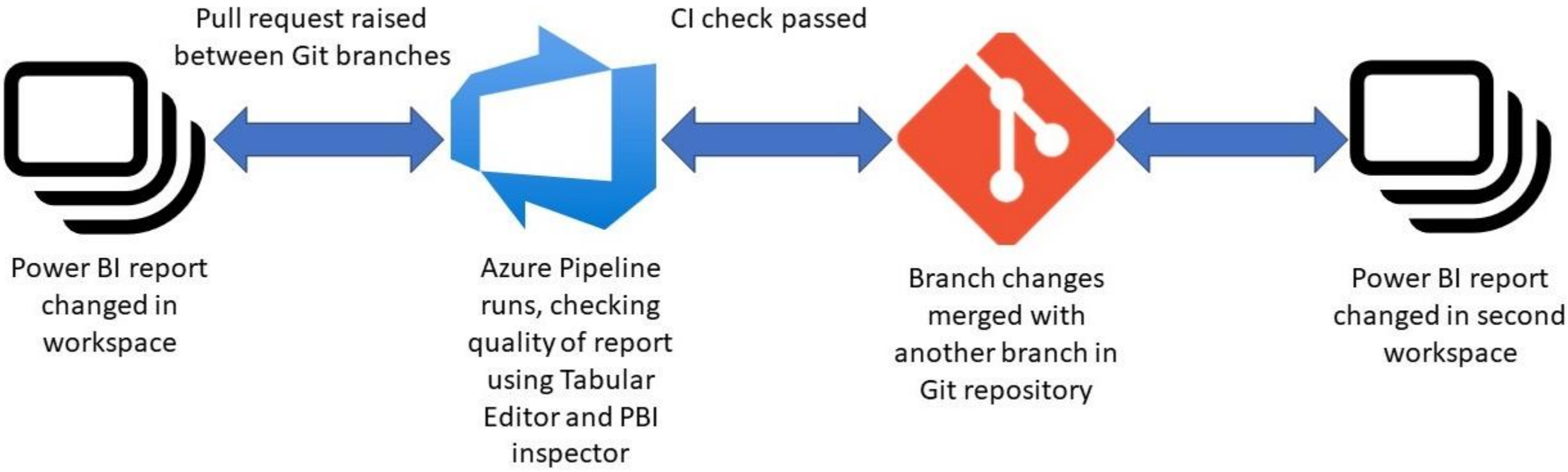
Now with added TMDL support

- TMDL stands for Tabular Model Definition Language
- New(ish) file format to replace ‘Model.bim’
- Now supported in Power BI Desktop
- However, also supported in Tabular Editor
- Can upgrade existing Power BI Projects to use it
- Multiple workspaces demo alert

Using Git integration and Power BI Projects together

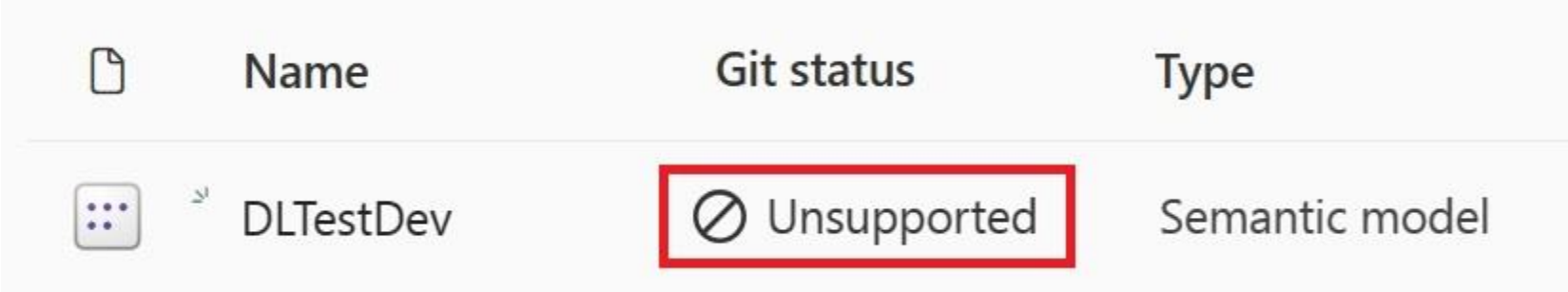


And then taking it a bit further…



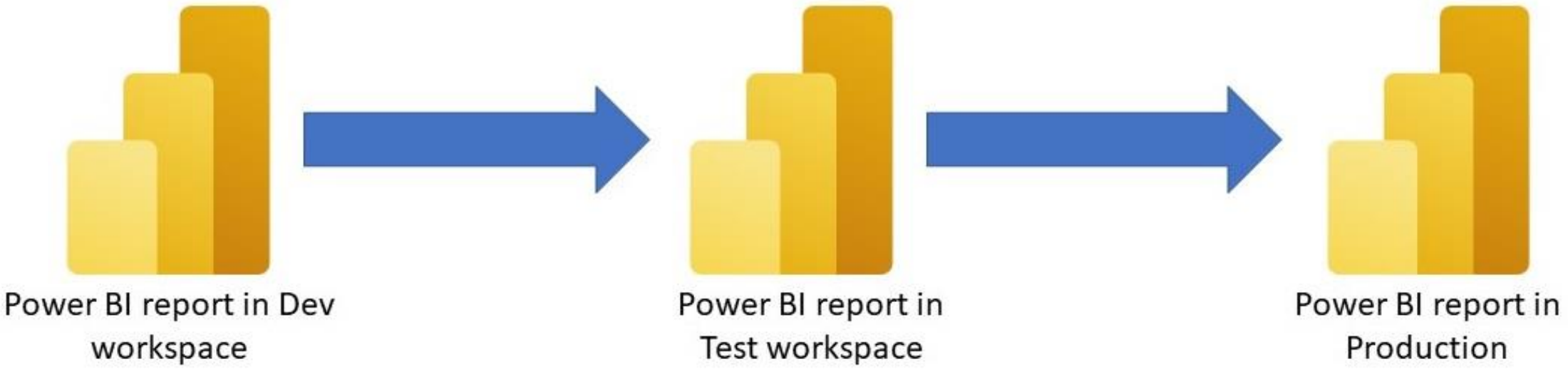
One other thing

- Direct Lake semantic models are not natively supported by Git integration



- However, you can get them to work with Git integration by extracting the model using Tabular Editor beforehand

Deployment pipelines



Synapse Data Warehouse

- Data Warehousing solution
- Supports Database projects in Azure Data Studio
- Can be deployed using an Azure DevOps pipeline

Questions

Thank you

- Twitter/Bluesky: @kevchant
- LI: https://www.linkedin.com/in/kevin-chant/
- Blog: https://www.KevinRChant.com
- GitHub: https://github.com/kevchant

Links shared

- Thoughts about disabling classic pipelines in Azure DevOps
- Introduction to Git integration
- Power BI Desktop projects
- Power BI Project (PBIP) and Azure DevOps CI performance tests

Additional links shared

- Working with Microsoft Fabric Git integration and multiple workspaces
- Initial tests to copy a Direct Lake semantic model to another workspace using Microsoft Fabric Git integration
- Introduction to deployment pipelines
- CI/CD for Microsoft Fabric Data Warehouses using Azure DevOps