

Microsoft Fabric and its role in the Microsoft Intelligent Data Platform



Microsoft Fabric

Kevin Chant

Groningen Microsoft Data Meetup-groep

Agenda

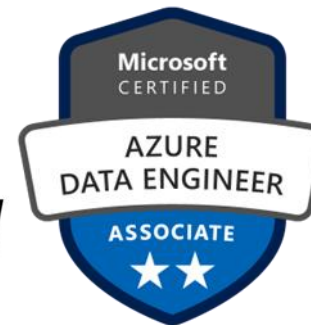
- Bio
- Microsoft Intelligent Data Platform
- Introduction to Microsoft Fabric
- Microsoft Fabric role
- Advice

Kevin Chant

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



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- GitHub: <https://github.com/kevchant>





Microsoft Intelligent Data Platform

- Announced at Build 2022
- Collection of database, analytics and governance services
- Website demo

Microsoft Fabric

Comp
analytics
platform

Lake
centric
and open

Empower
every
Business
user

AI Powered



Data
Factory



Synapse Data
Engineering



Synapse Data
Warehouse



Synapse Data
Science



Synapse Real
Time Analytics



Power BI



Data Activator
(coming soon)



OneLake

Managing expectations

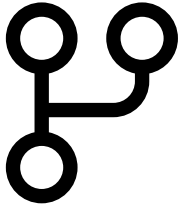
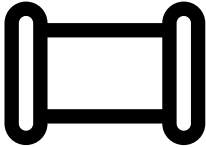
- Demos during the session
- All public preview
- Demo Fabric environment

OneLake

- Unified storage foundation
- Built on top of ADLS
- Optimized delta parquet files
- Shortcuts



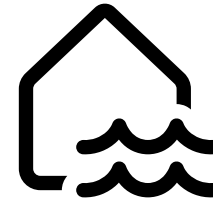
Data Factory

- Ingest Data
- Dataflows (Gen2) 
- Pipelines 
- Over 200 native connectors



Data Engineering

- Lakehouses
- Notebooks
- SQL endpoint
- Tables and files



Synapse Data Warehousing



- Transactional Data Warehouse
- T-SQL
- Two warehousing experiences

Real-time analytics

- Streaming solution
- Based on Kusto
- Eventstreams
- Integrates with Power BI



Data Science

- Data science workflows
- Easy collaboration
- SynapseML
- MLFlow integration

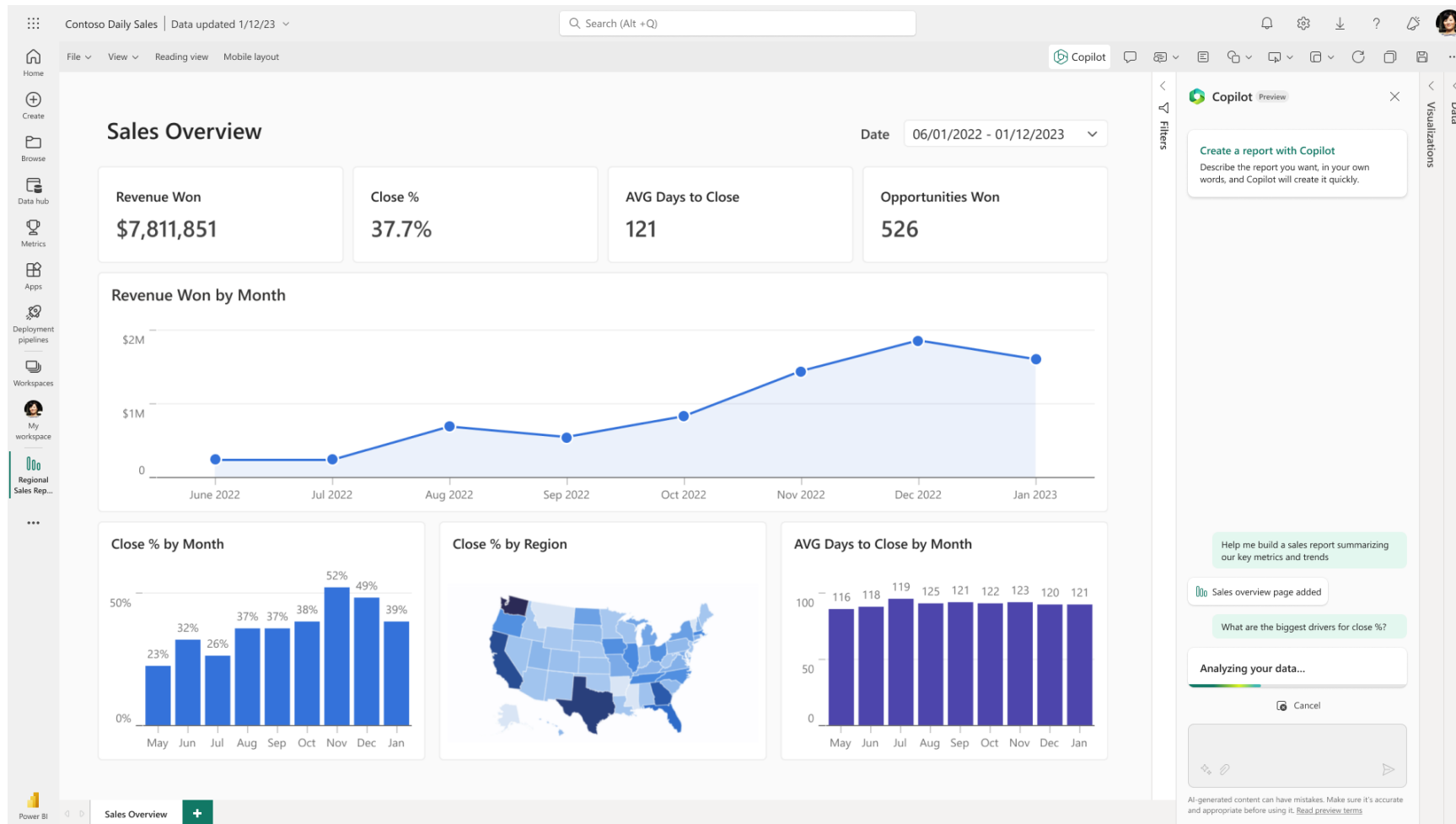


Power BI

- Business Intelligence
- Deeply integrated
- Same as before, only not
- Optimizations and updates



AI capabilities



Data Activator

- Coming soon
- Constantly checks data
- Data driven++

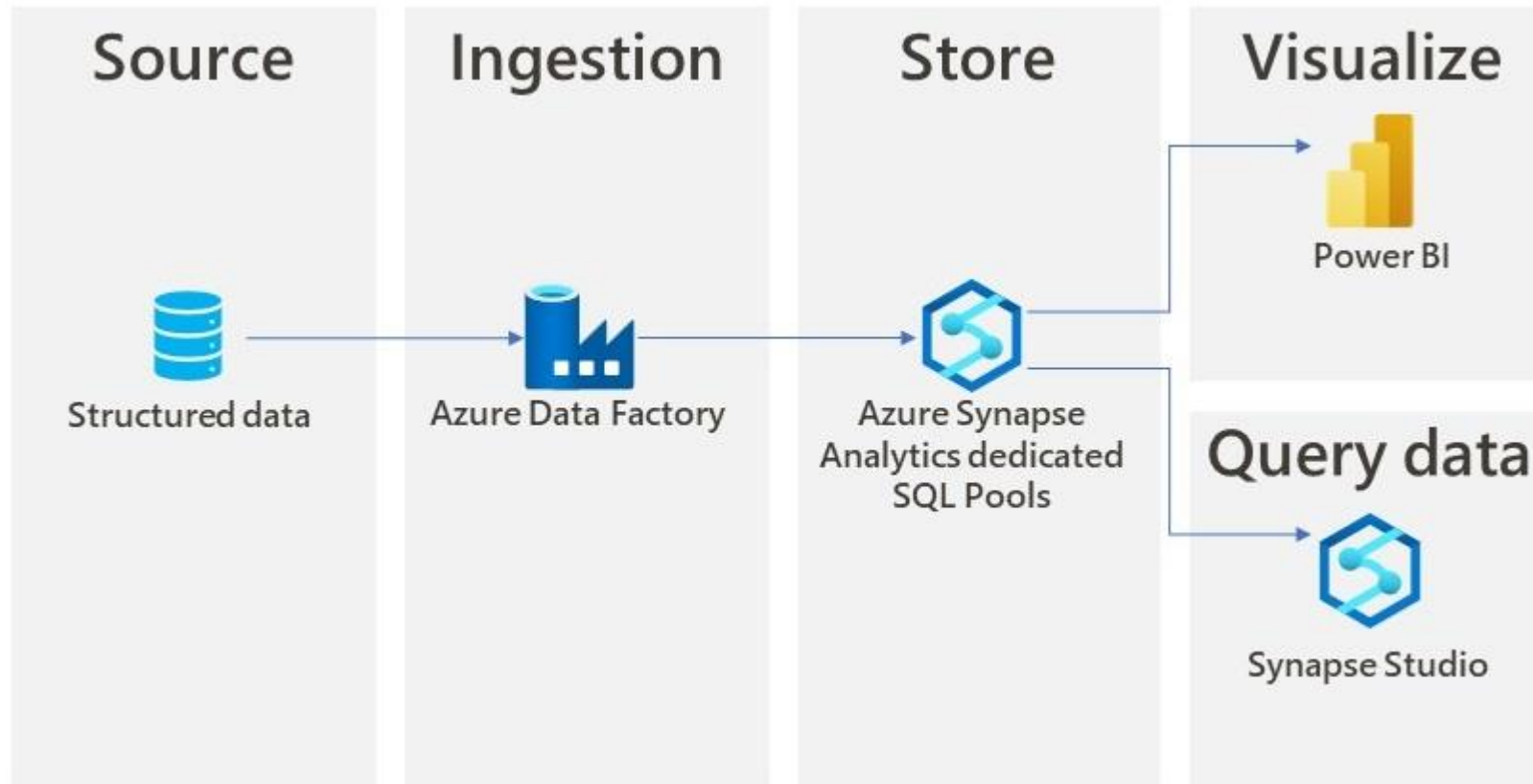


Microsoft Fabric role

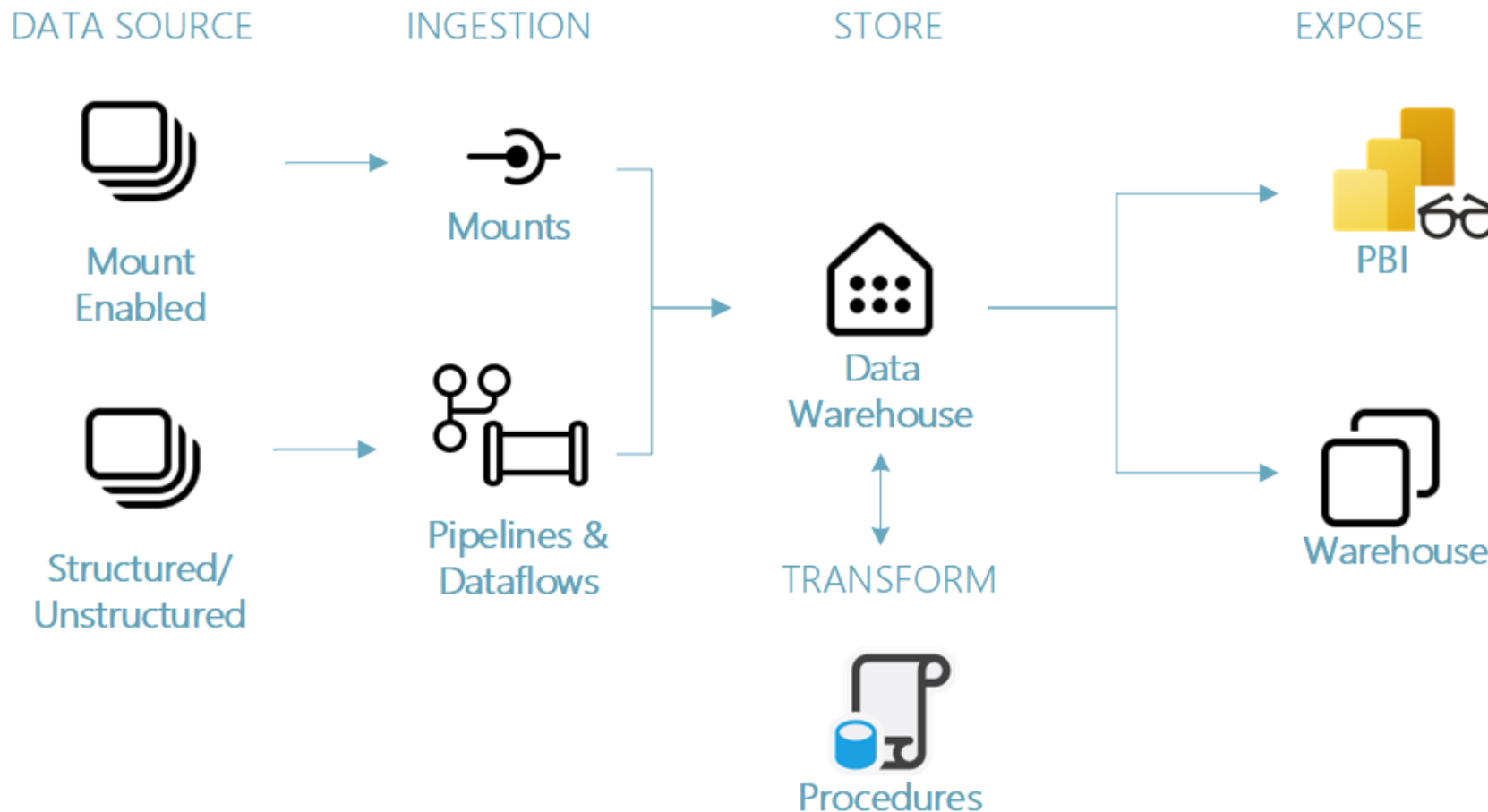
- Unification
- Compliance & Governance
- Git integration
- Remove friction



Integrating various services



Within Microsoft Fabric



Advice

- How to get a trial
- Microsoft 365 Developer Account
- Pay-as-you-go capacity
- Various material online

Questions



Thank you



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- GitHub: <https://github.com/kevchant>