Supercharge Power BI with Azure Synapse Analytics

DATA SATURDAYS

InnOva community

Sponsors

With the support of:

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Fellowmind

POWERBI QUIZ

DATA PLATFORM QUIZ

Favorite tools:

SQL

FluxBi.com

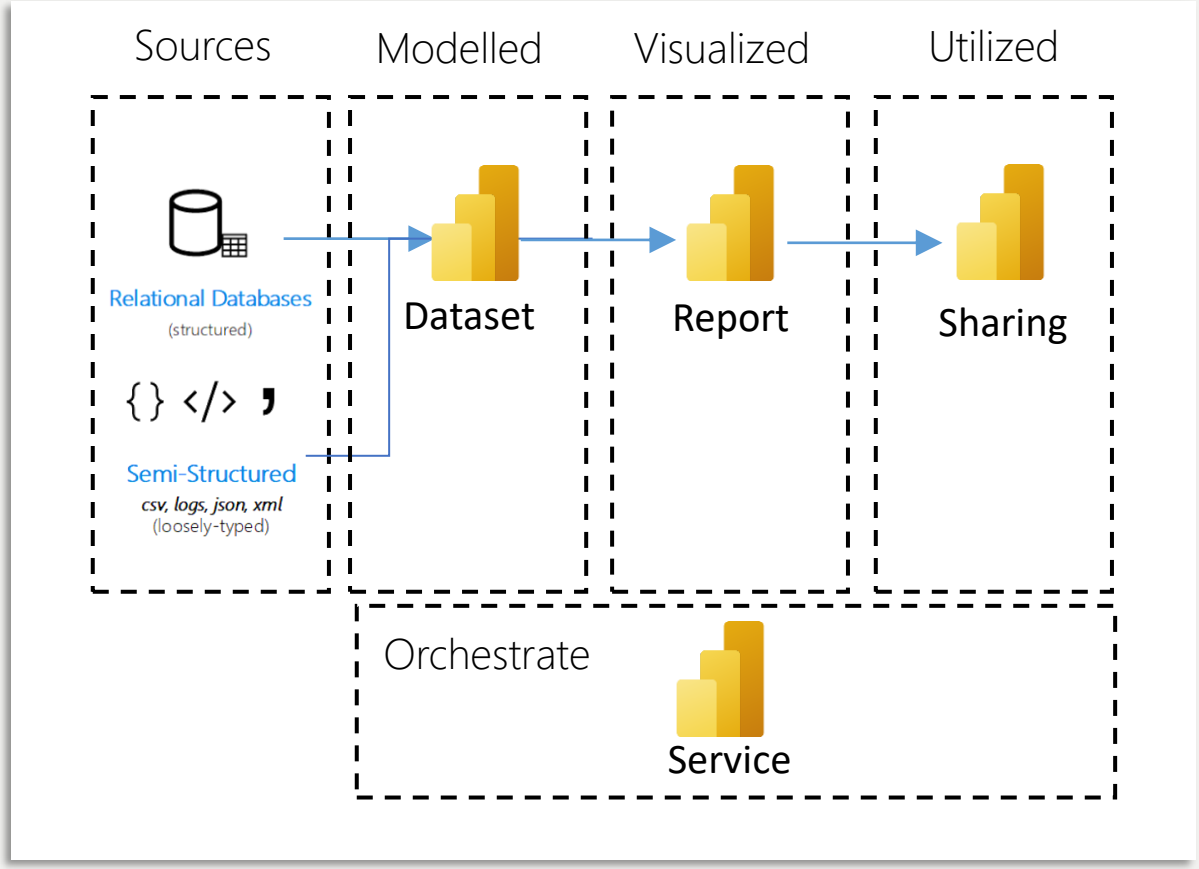
X

X

End-to-end analytics in Power BI

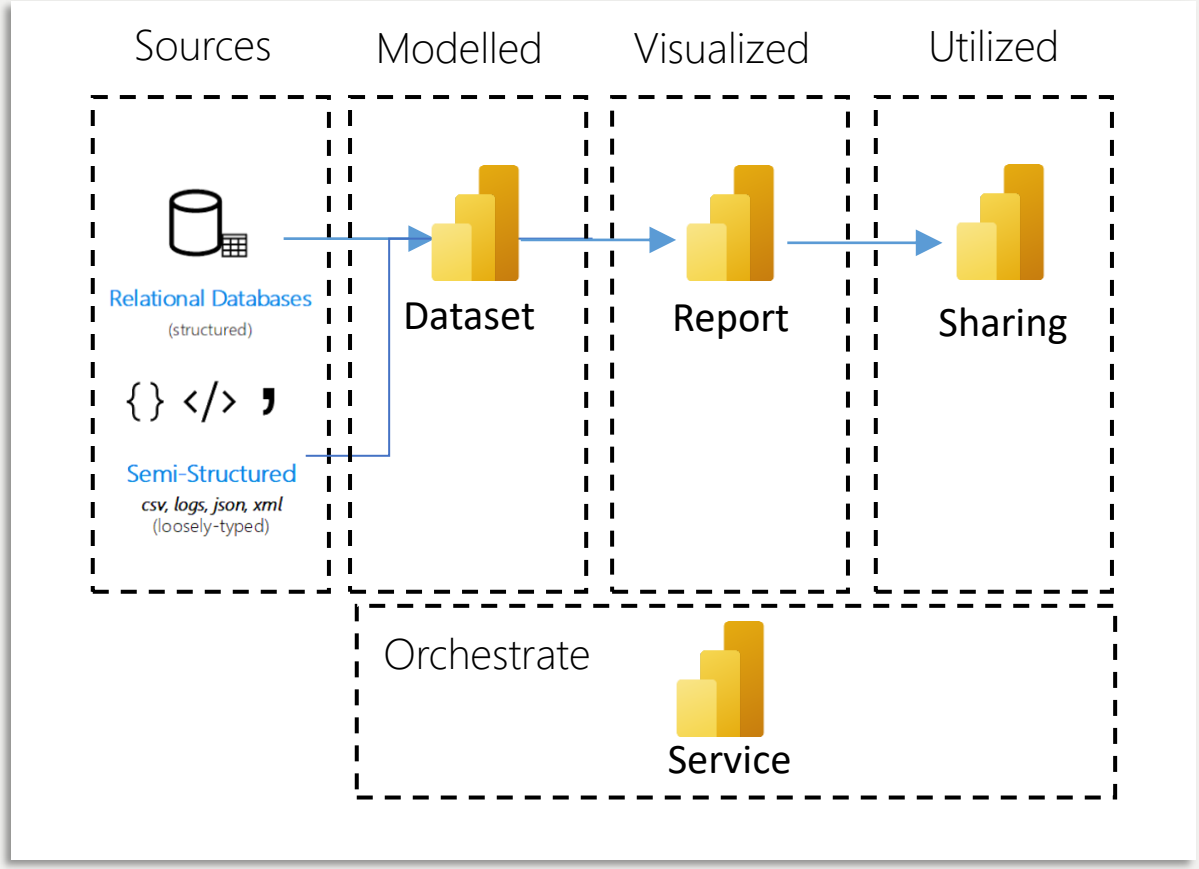
FLUXBI

End-to-end analytics in Power BI

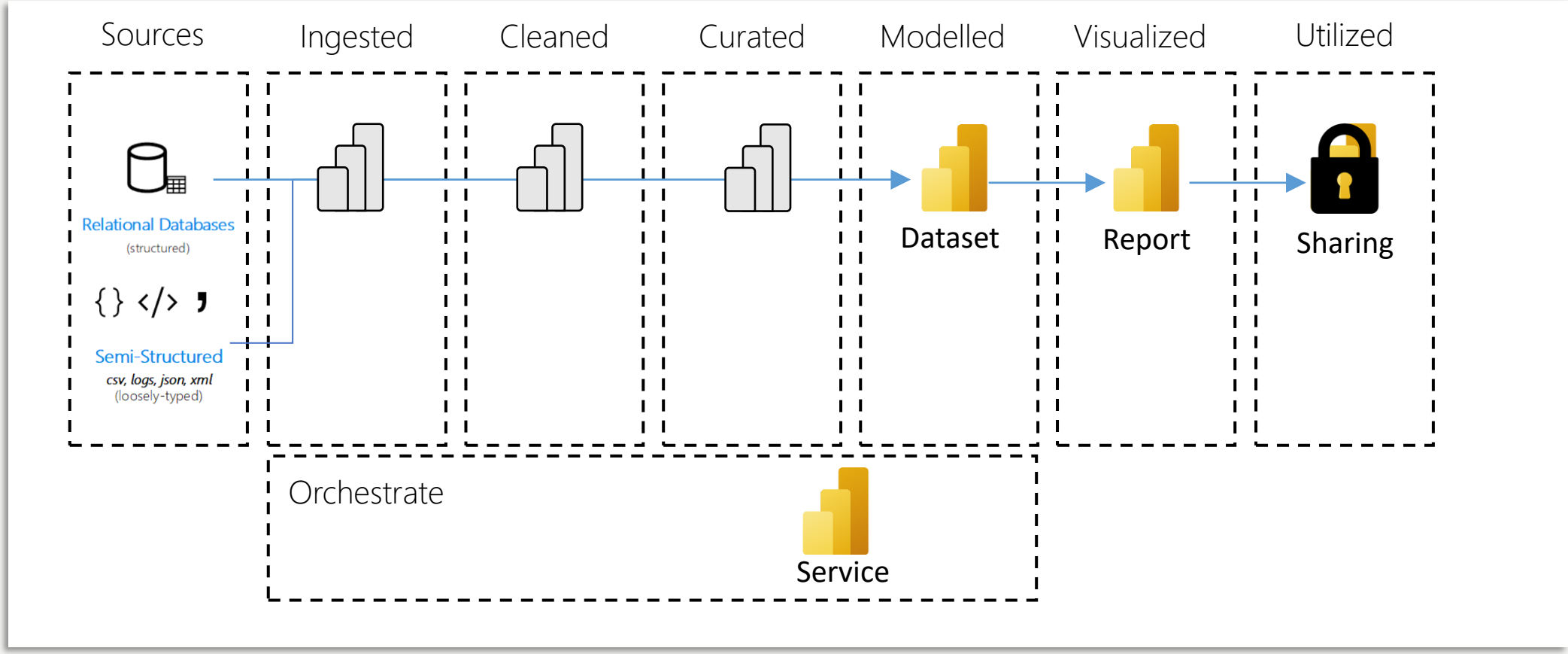


The missing pieces?

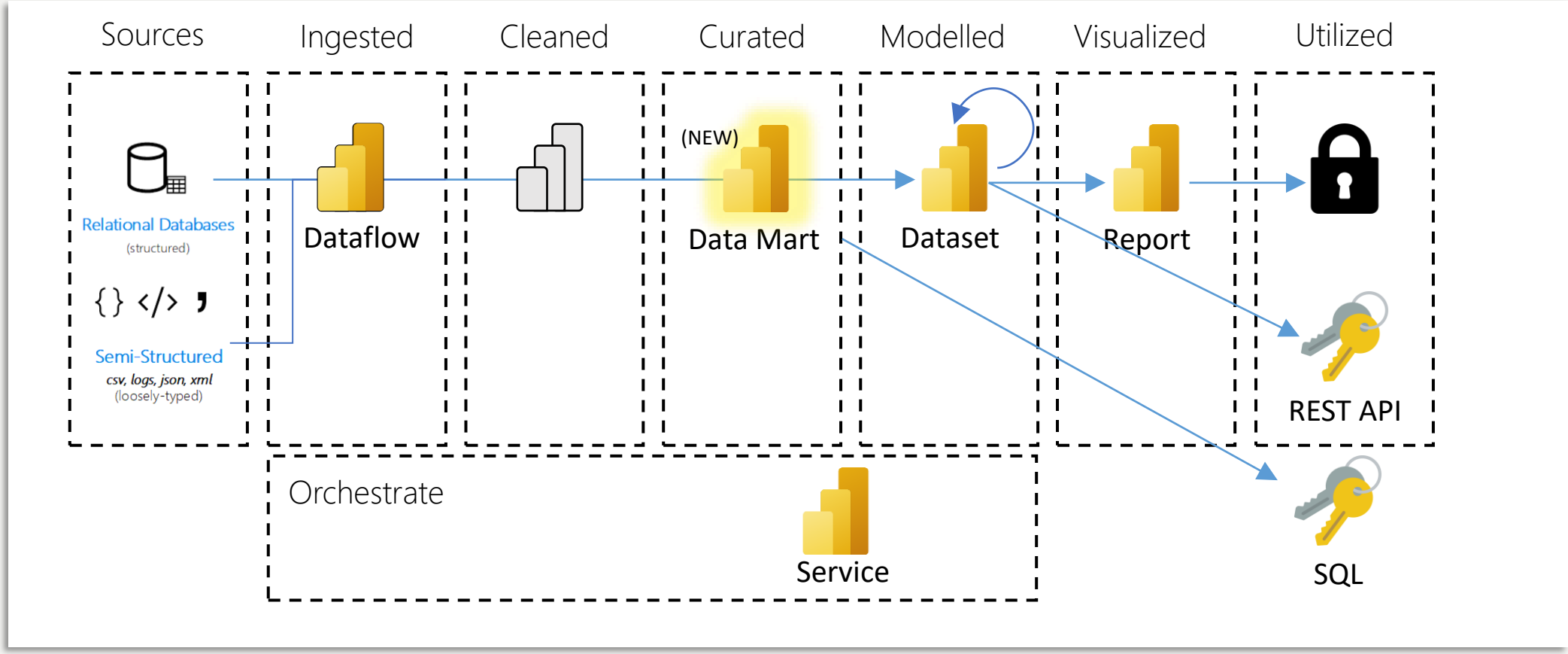
End-to-end analytics in Power BI



End-to-end analytics in Power BI



End-to-end analytics in Power BI



End-to-end analytics in Power BI

Limitations

- Out-of-sight transformation layer
- Not always the best tool for data warehouse tasks
- No logs or output from cleaning or quality checks
- Doesn’t handle HUMONGOUS data very well
- ~~Curated layer only accessible within Power BI~~
- ~~Overall data lock-in / Inflexible data share~~

Supercharge

Time-travel

Historical data and change tracking

Reflection

Reverse ETL

Multi-power

Supports multiple programming languages

Regeneration

CI / CD and Version control

Supersize

Massive scale

Hyper-cognition

AI capabilities

What is Azure Synapse Analytics?

FLUXBI

Resources

- Data Lake
- Serverless SQL
- Dedicated SQL pool (Former Azure SQL Data Warehouse)
- Databricks
- Mapping dataflows
- Synapse Pipelines (equivalent to Azure Data Factory)
- Synapse Link

And more…

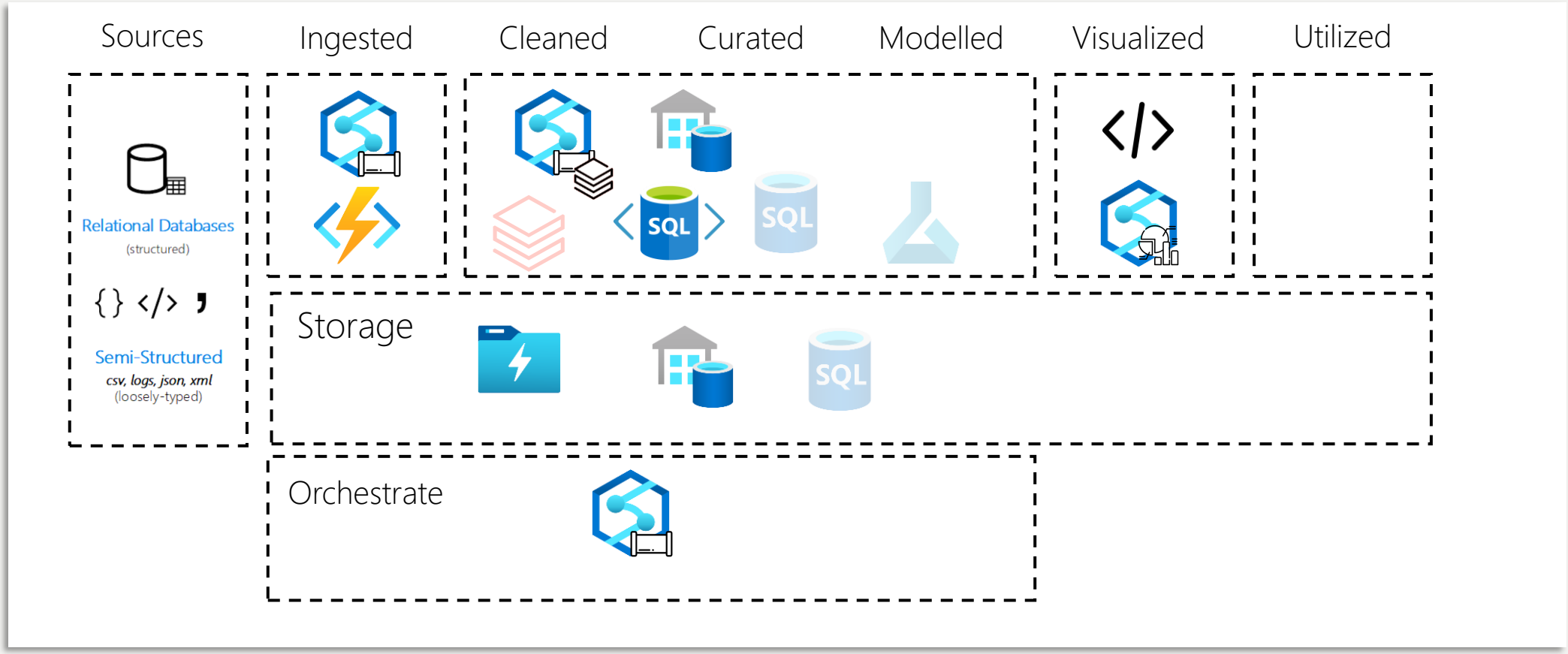
Pricing

- $0 initial cost
- Dedicated SQL pool starts at around $1000/month
- Most, other services are pay per consumption
- Complex pricing, difficult to estimate up-front
  - Proof of concept
  - Often cheaper than anticipated - not always!
  - Examples of monthly recurring costs of down to $10
- Azure Budgets and Cost Alerts

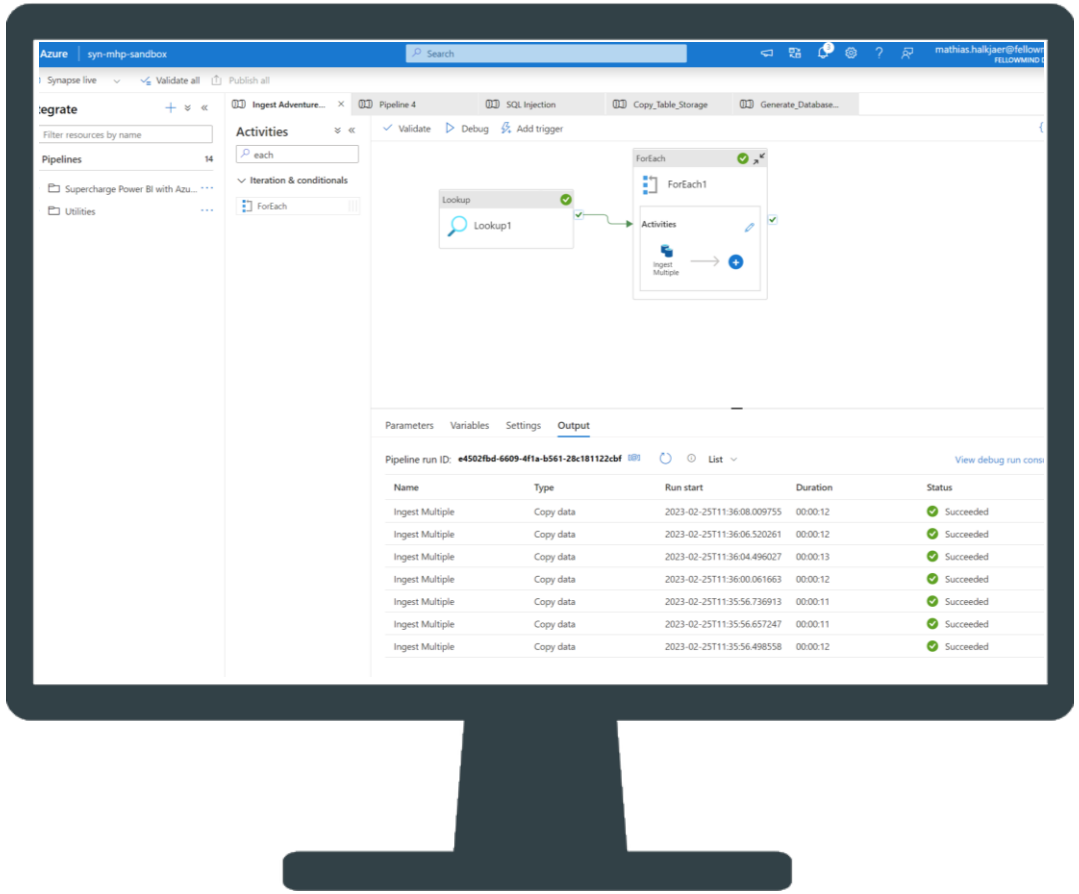
End-to-end analytics in Azure Synapse

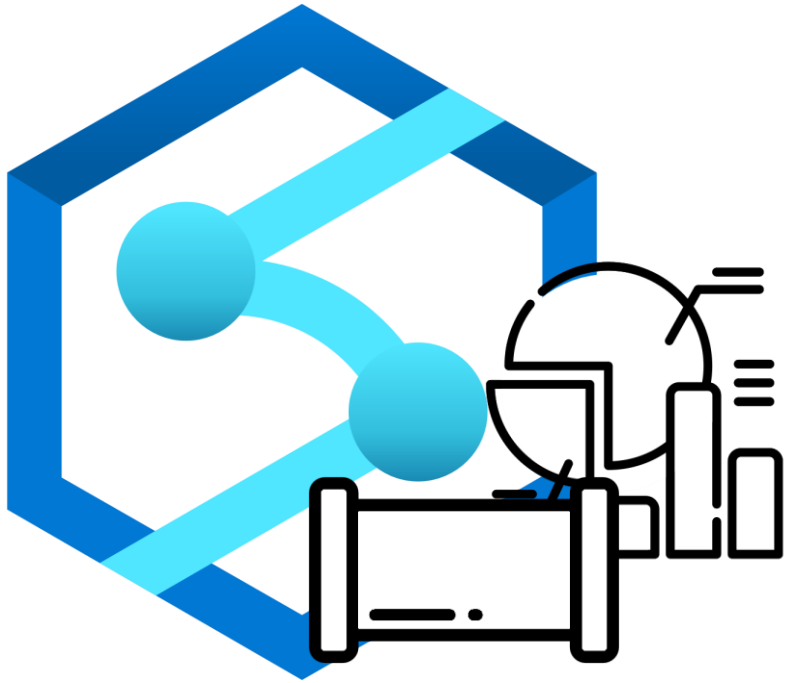
FLUXBI

End-to-end analytics in Azure Synapse



DATA SATURDAYS





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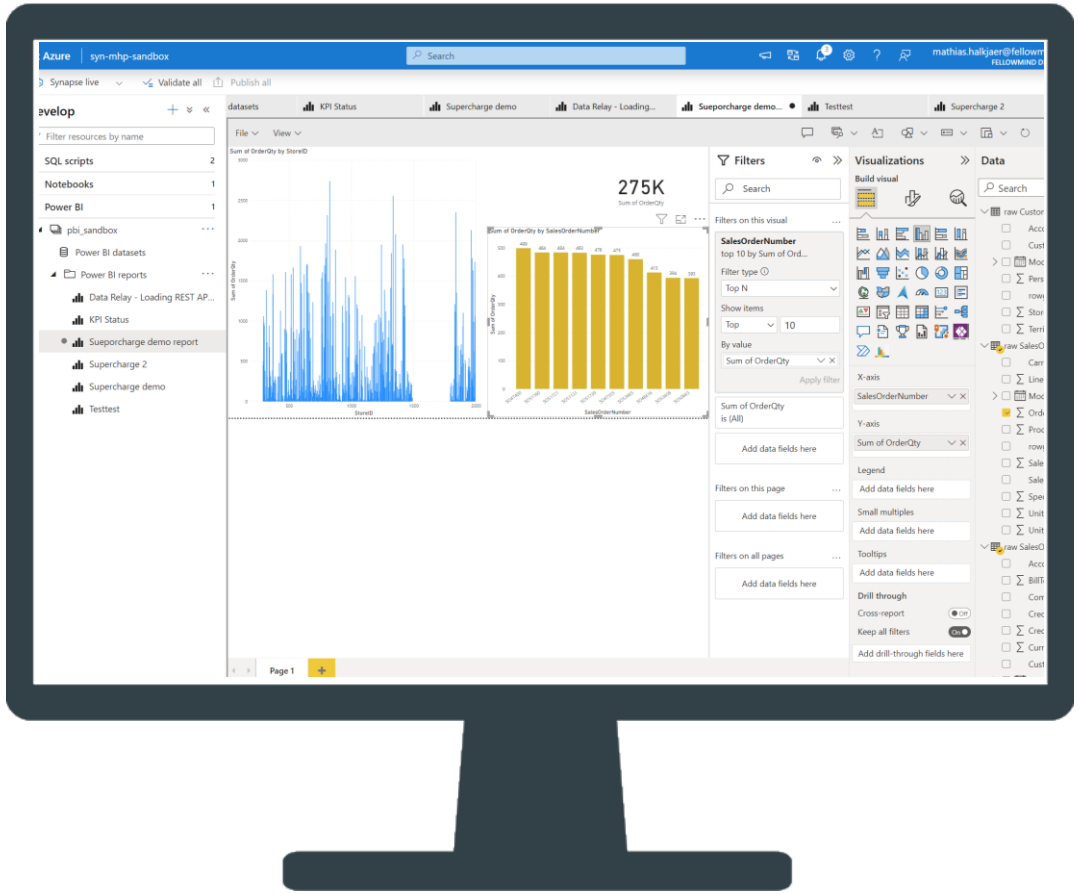
Integrations
Power BI and Azure Synapse

FLUXBI

Integrations

- Integrate Power BI in Azure Synapse
- Use Azure Synapse as a source
- Host Power BI workspace data in Data Lake

DATA SATURDAYS



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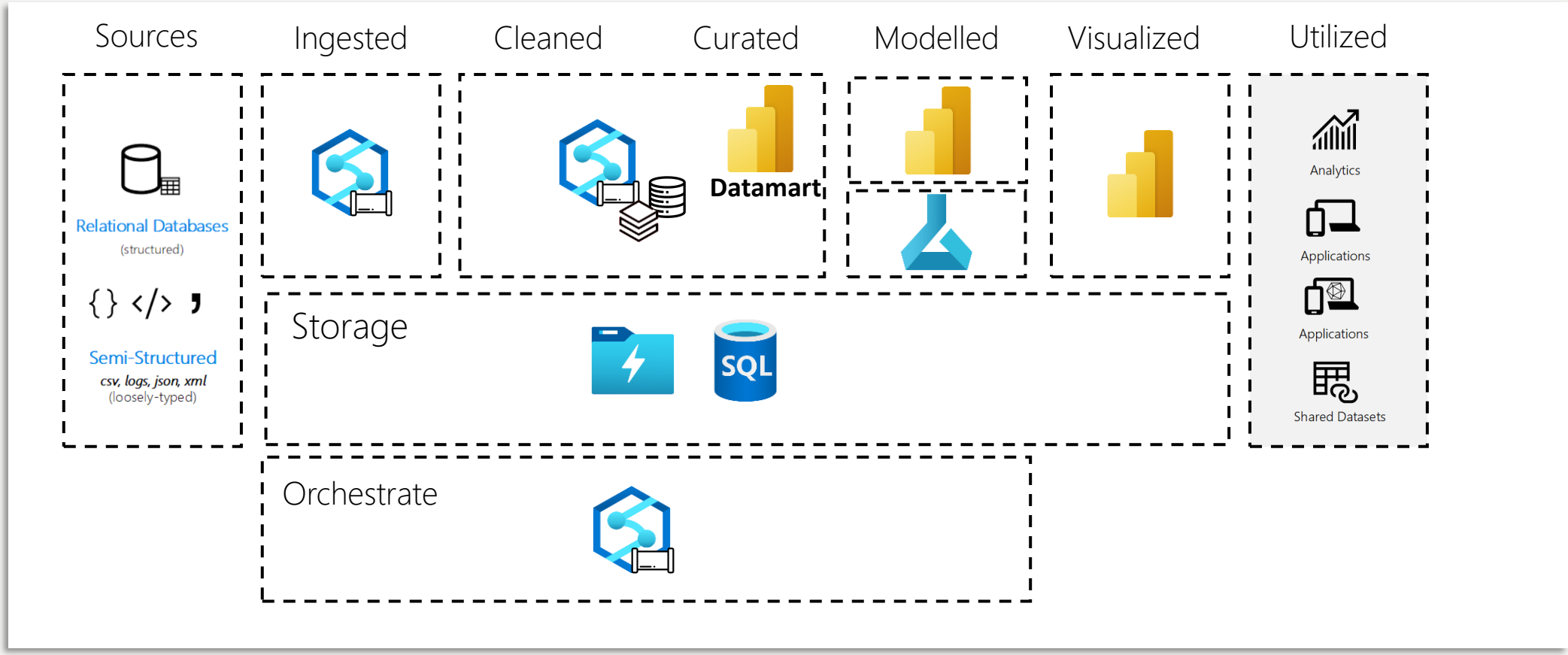
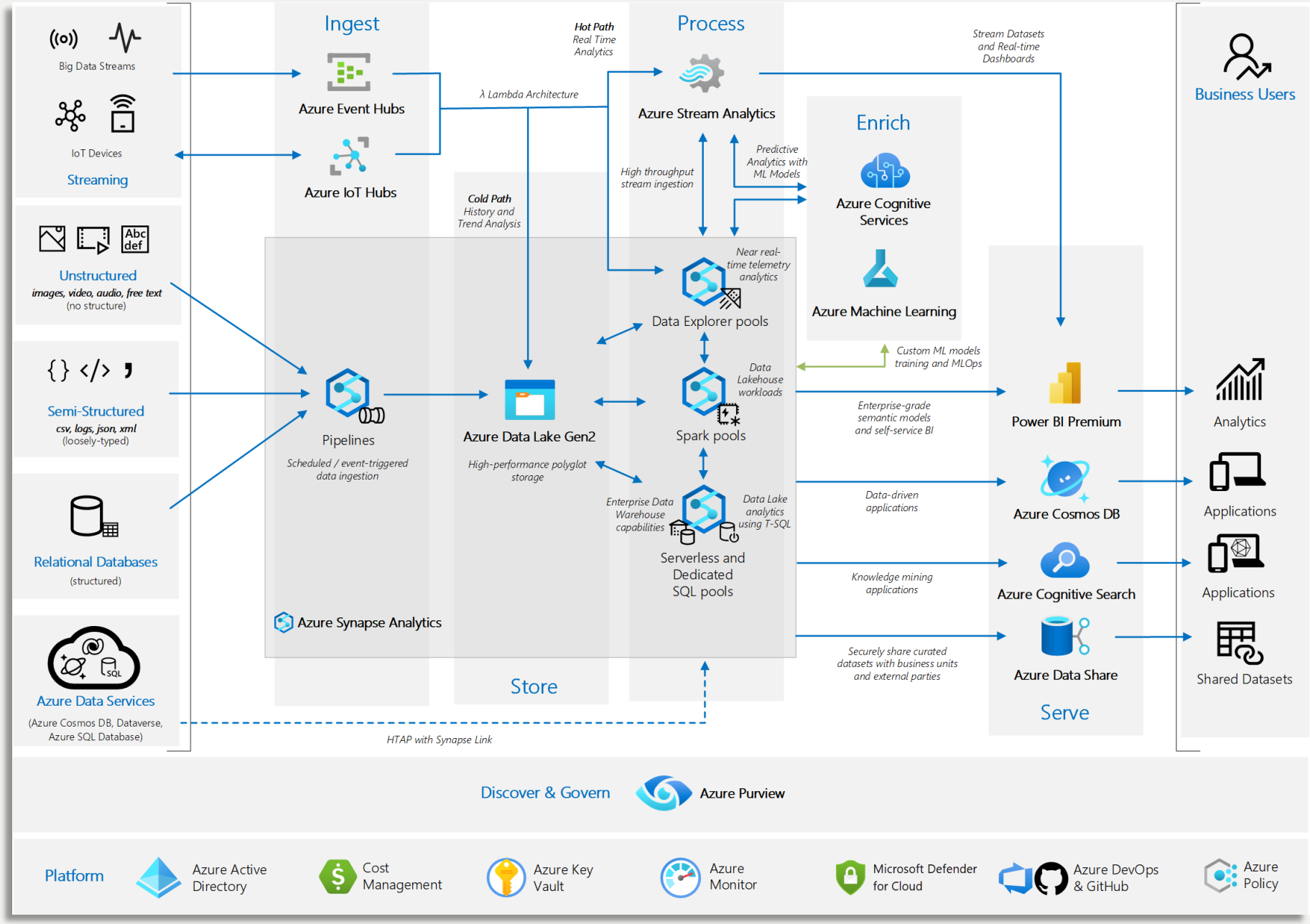
End-to-end analytics - Combined



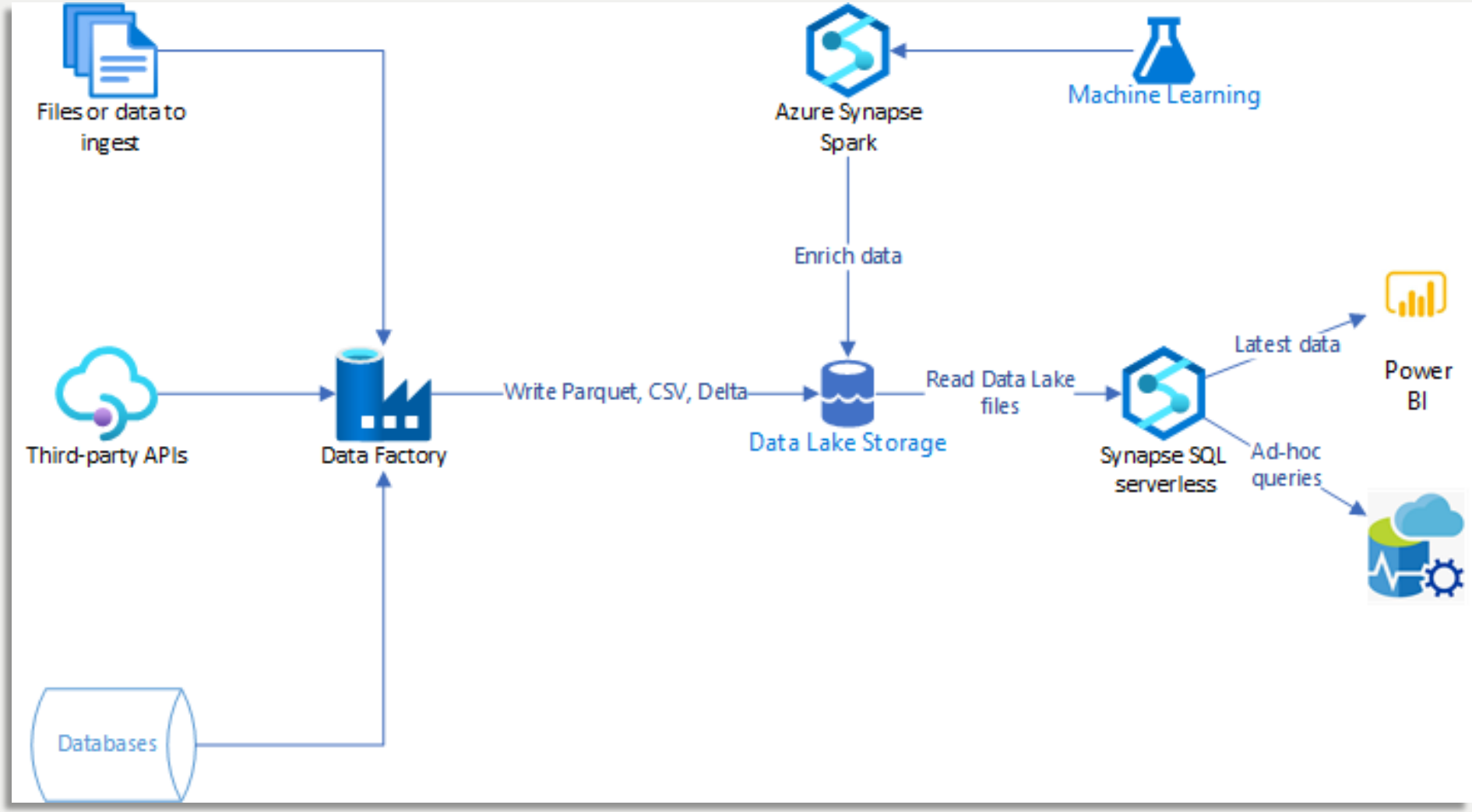
Example

End-to-end analytics with Azure Synapse Analytics



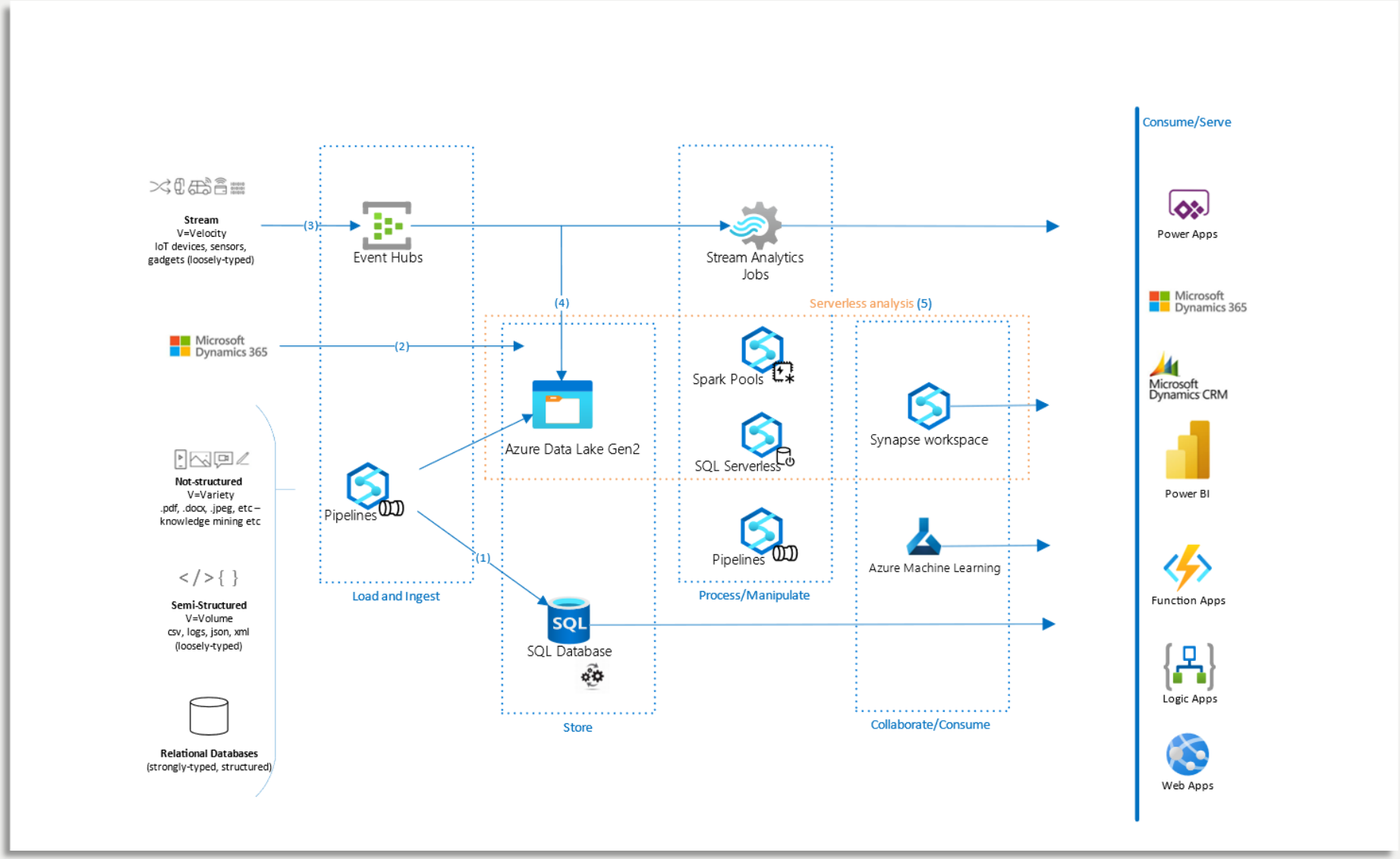
Example

Data lake queries via Synapse serverless



Example

Modern data warehouse for small and medium business



Questions

Thank you for listening

Now go supercharge your Power BI with Azure Synapse

Historical data and change tracking

Reverse ETL

Multi-language

CI/CD and Version control

Massive scale

AI capabilities