



Building Data Culture Using Next Generation Data Platforms Like Microsoft Fabric

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Data Platform



Data & AI
Azure

<https://www.meetup.com/en-AU/power-bi-melbourne/>

Agenda

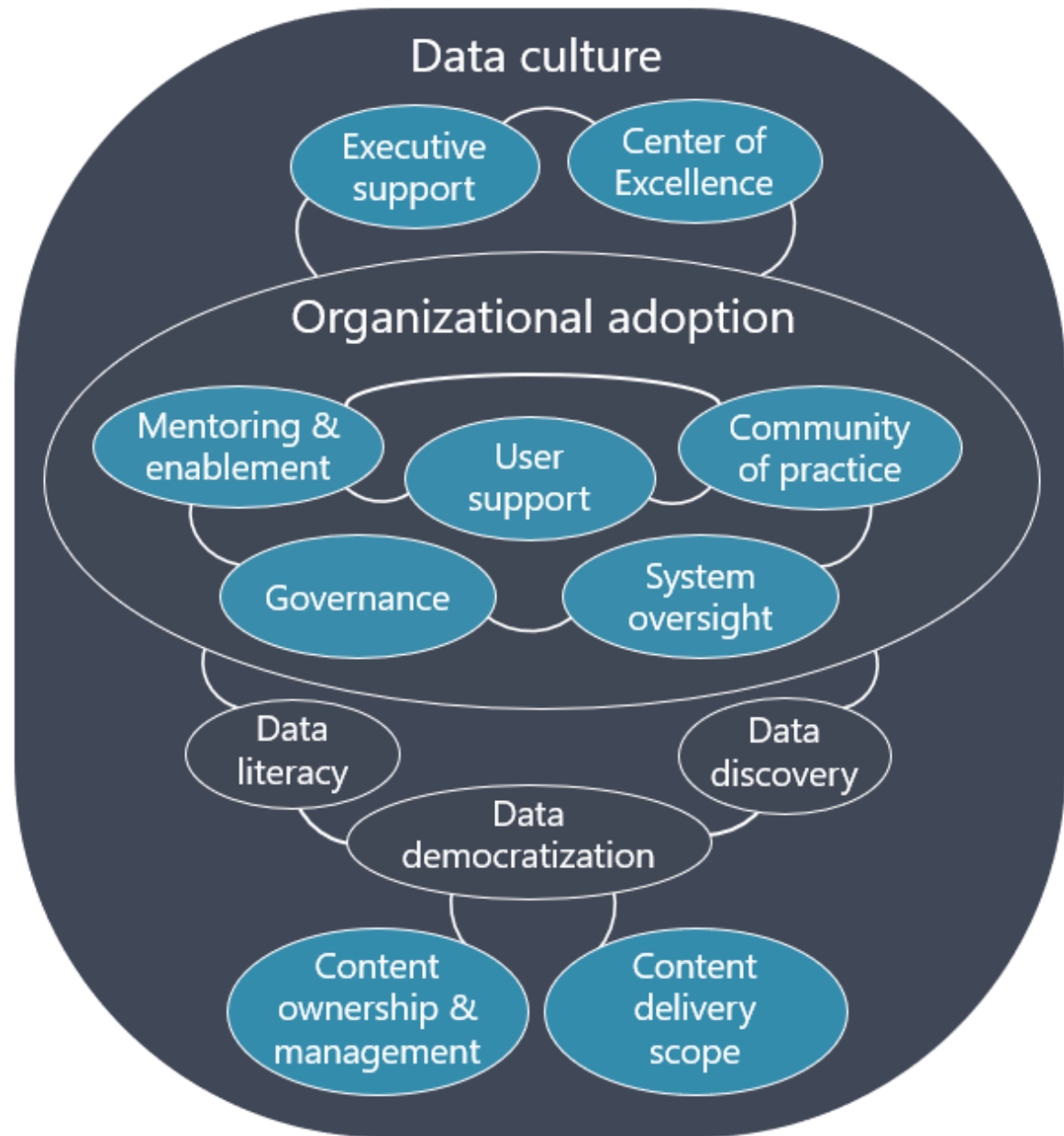
- Data culture
- The evolving data landscape
- Data mesh
- Unified solutions
- Foundations of the next generation
 - SAAS / Governance
 - Unified storage
- Features of Microsoft Fabric



*“Companies who embrace a **data-driven culture** experience a **4x improvement in revenue** performance and **better customer satisfaction**.”*

- Harvard Business Review Analytic Services

Components of Data Culture



The evolving data landscape



**Historical
Challenges**



**Rise of Big
Data**



**Introduction
of Data
Mesh**



**Need for
Unified
Solutions**

You are here?

Data Mesh

1. Decentralized Data Ownership



- Shift responsibility to domain teams
- Ensure data quality, governance, and discoverability

1. Self-serve Data Infrastructure



- Empower domain teams to manage their data
- Enhance agility and innovation

1. Product Thinking for Data



- Treat data as a product with a lifecycle
- Have clear ownership, SLAs, and user-centric design

1. Interoperable Discoverable Data Assets



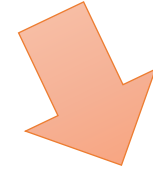
- Design for interoperability, not just integration
- Prioritize discoverability with tools like data catalogues

1. Data Operations and Reliability

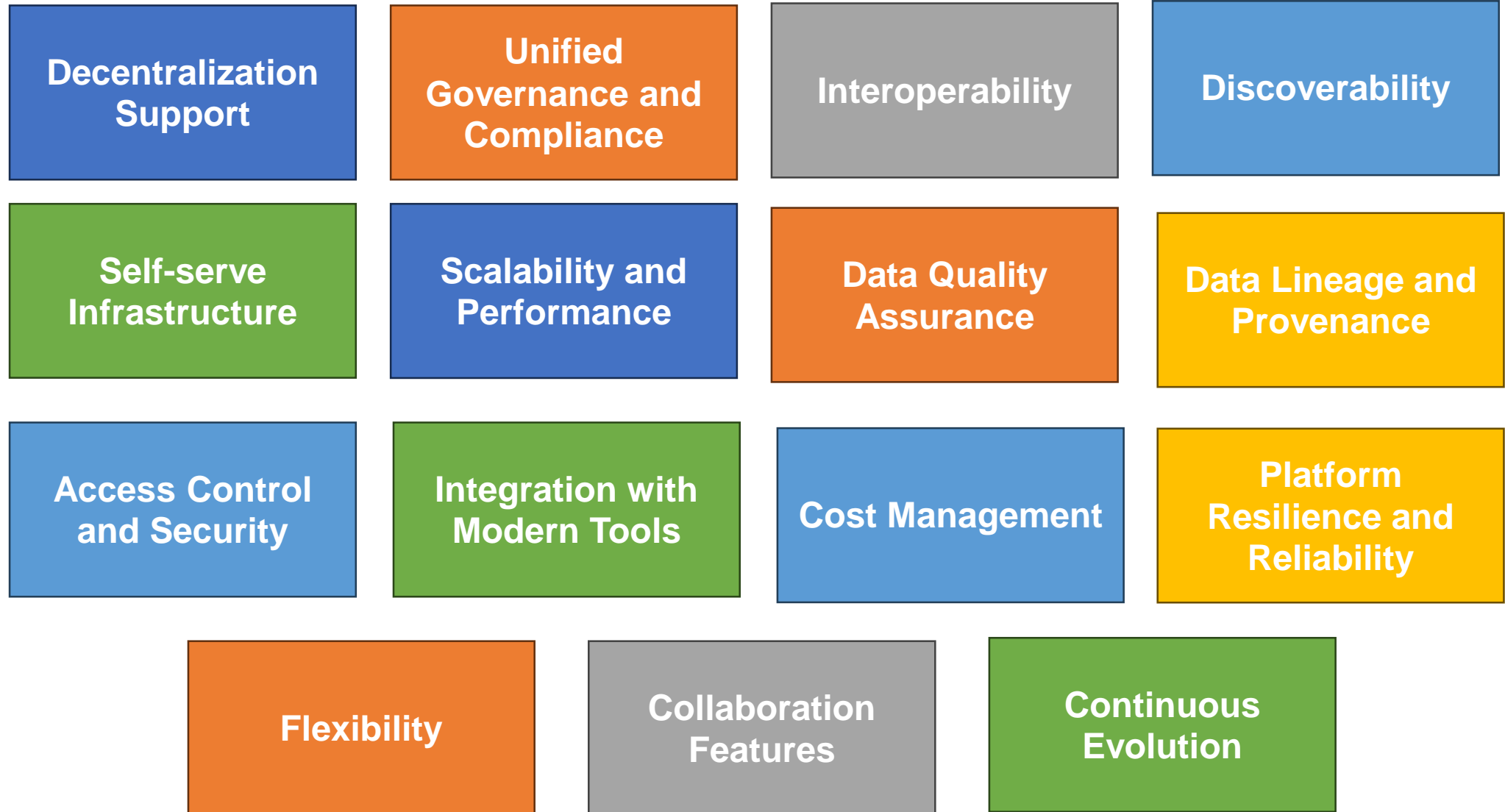


- Apply principles of DevOps and Site Reliability Engineering (SRE) to data
- Emphasize monitoring, versioning, testing, and reliability

Data Mesh ...is dead?



The need for unified solutions



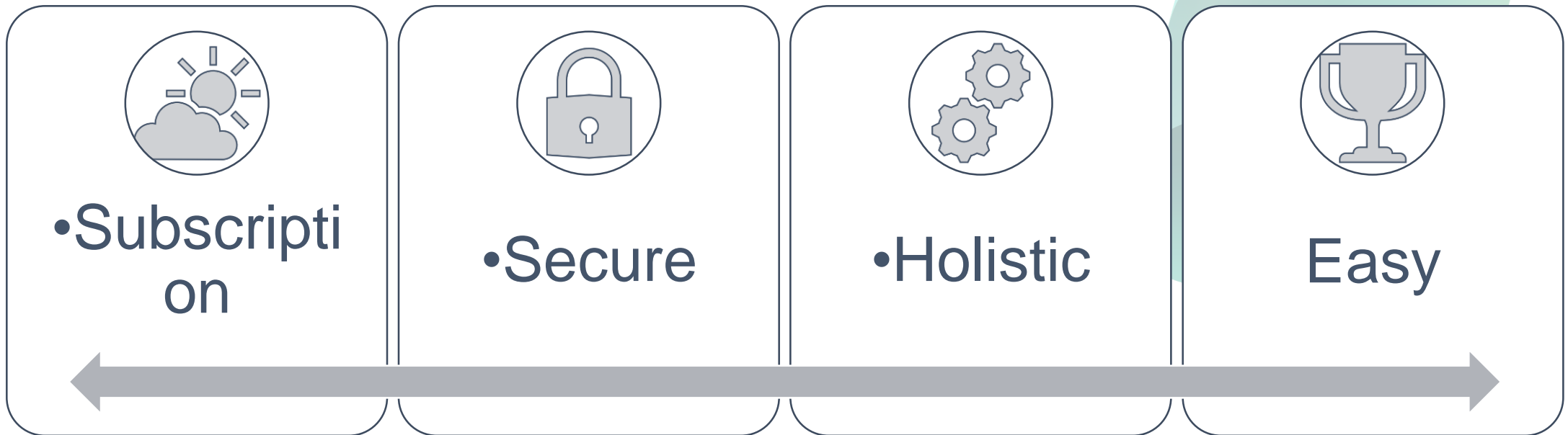
Microsoft

Magical Quadrant for Analytics and Business Intelligence Platforms



From: 2023 Gartner Magic Quadrant for Analytics and Business Intelligence Platforms

Laying the foundations



SAAS UNIFIED EXPERIENCE

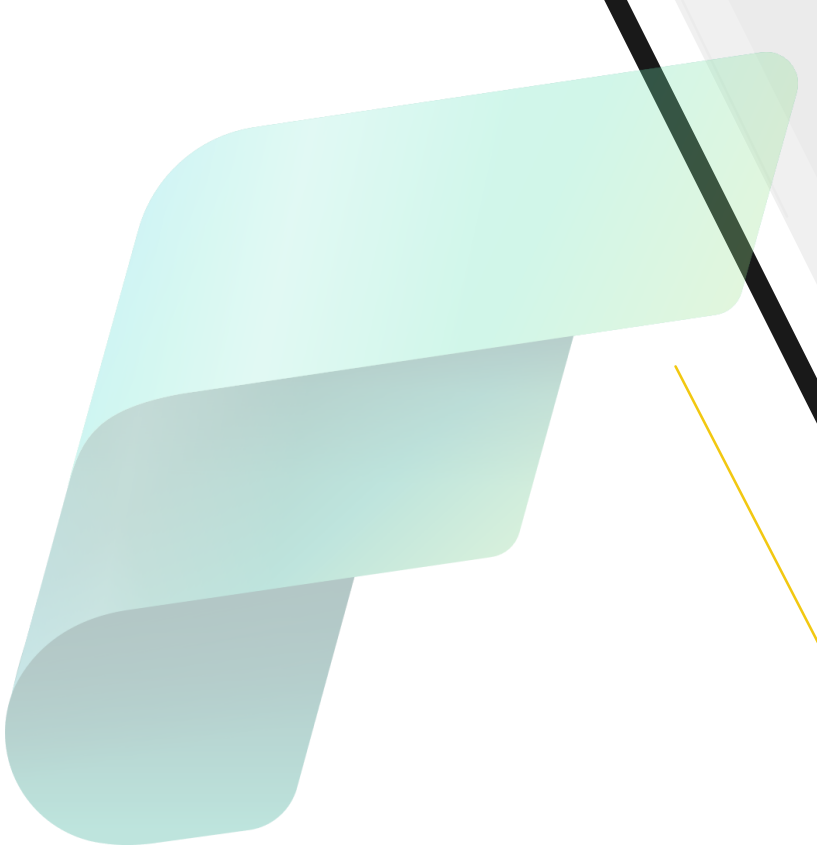
SaaS product experience

Security and governance


Compute and storage

Business model

Unified data storage



Unified data foundation

 OneLake

UNIFIED

SaaS product experience

Security and governance

Compute and storage

Business model

Governance



Unified governance



Unified data foundation



UNIFIED

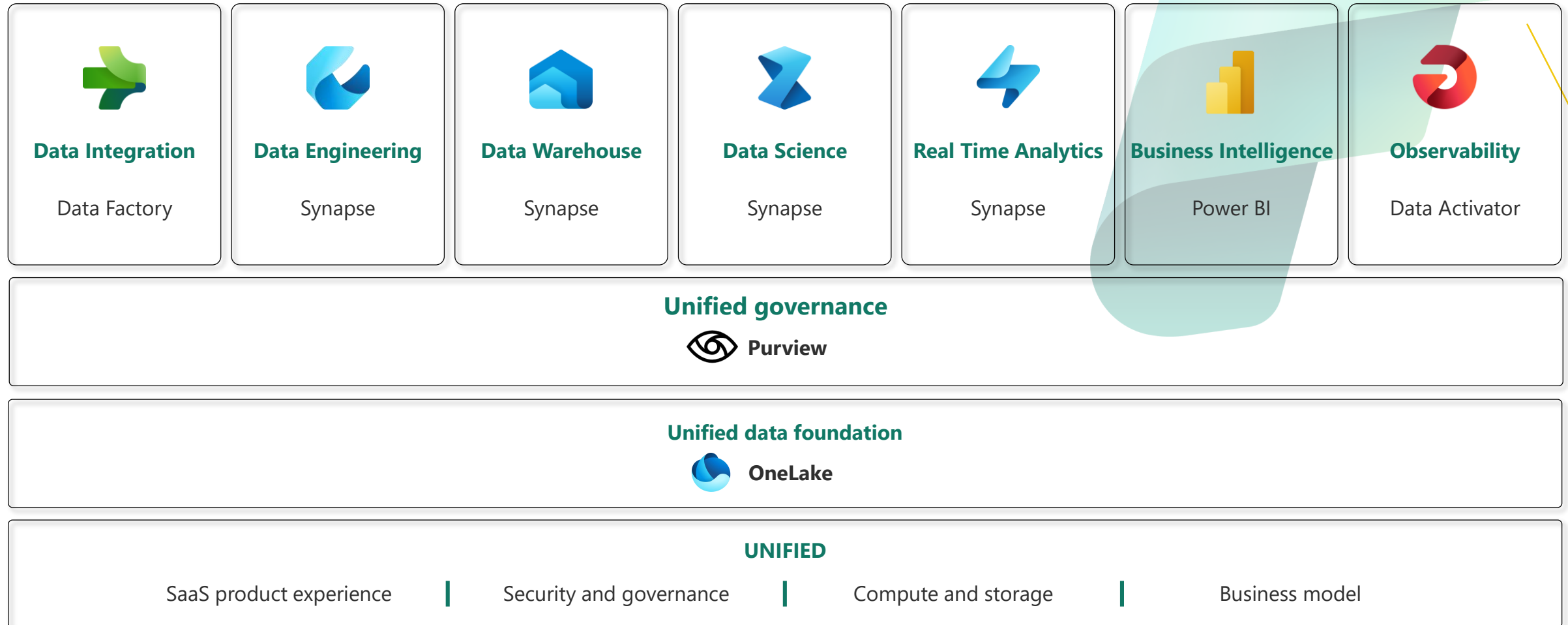
SaaS product experience

Security and governance

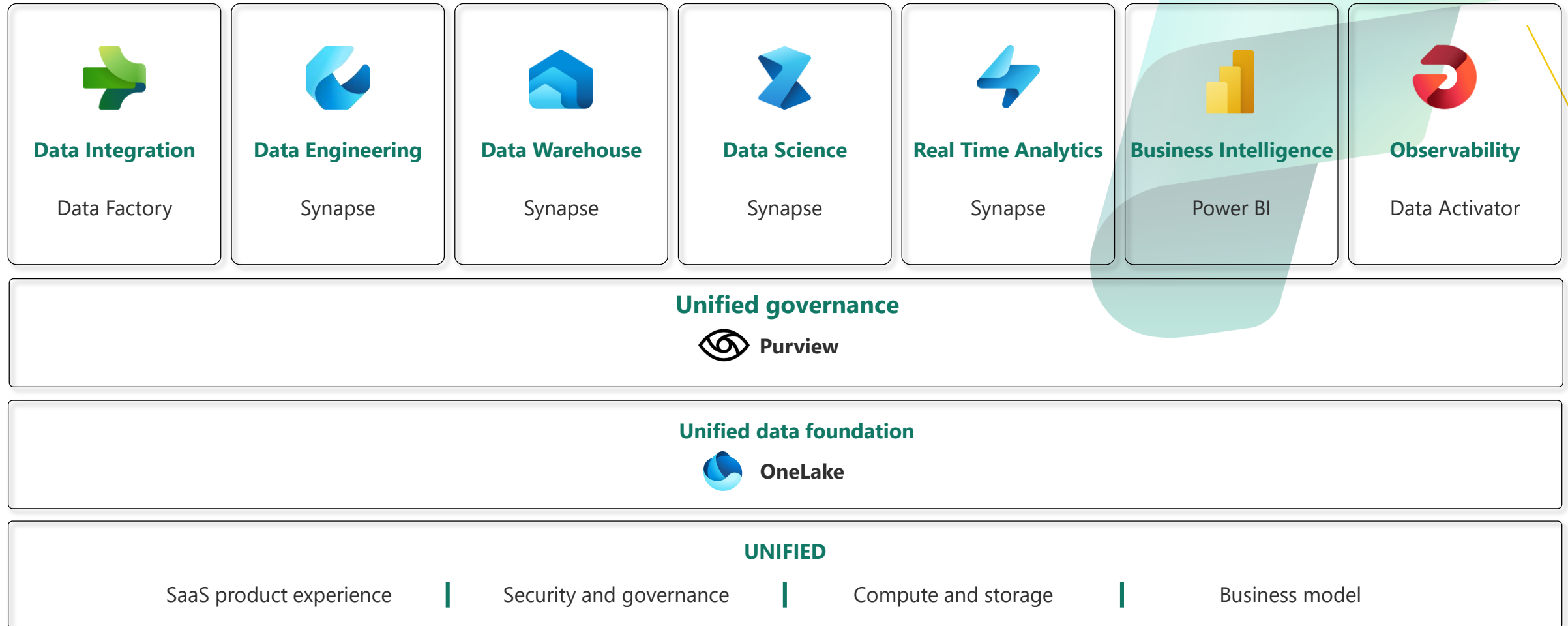
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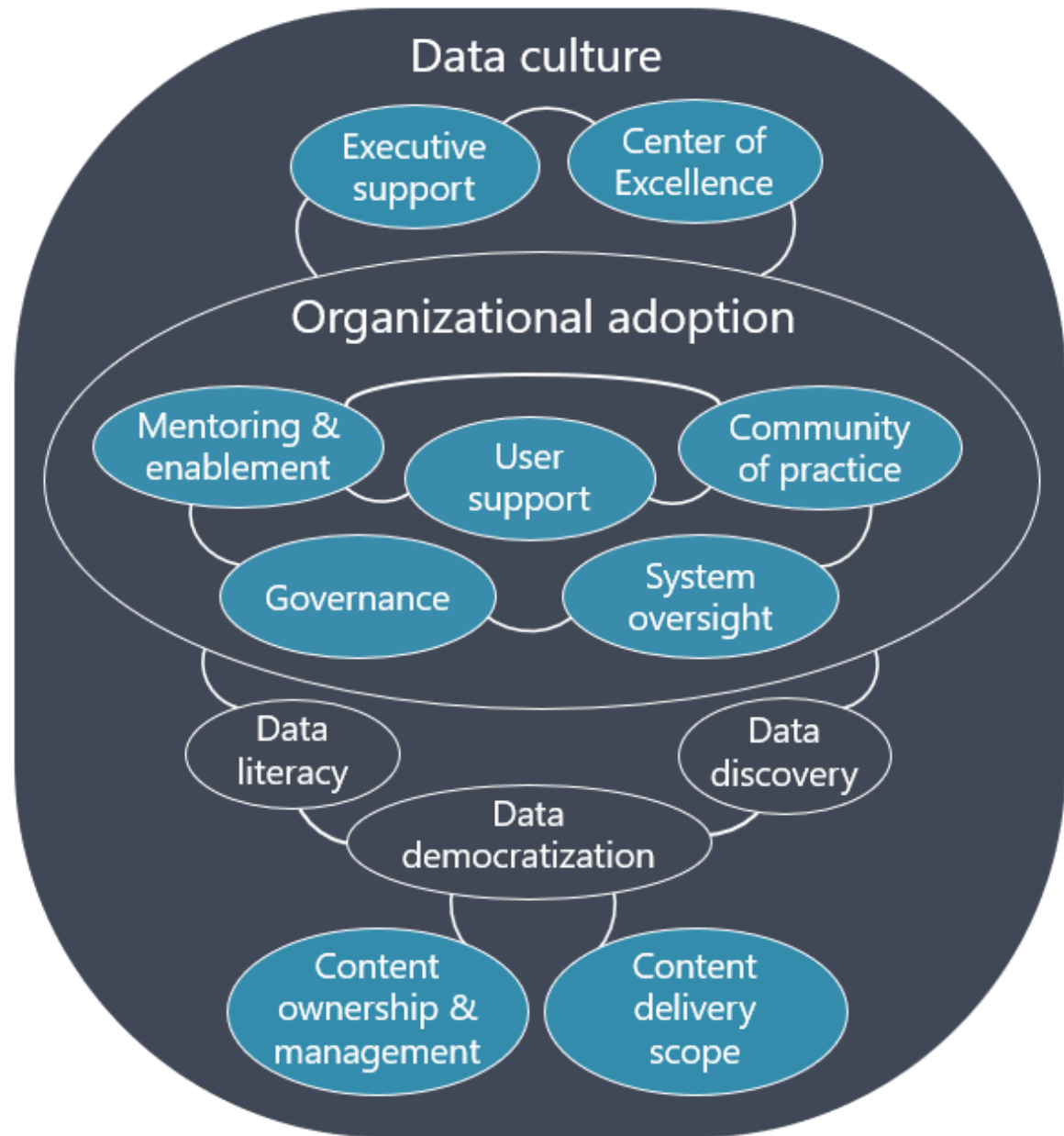
Data to insight value stream



Microsoft Fabric does it all—in a unified solution



Components of Data Culture



QUESTIONS?

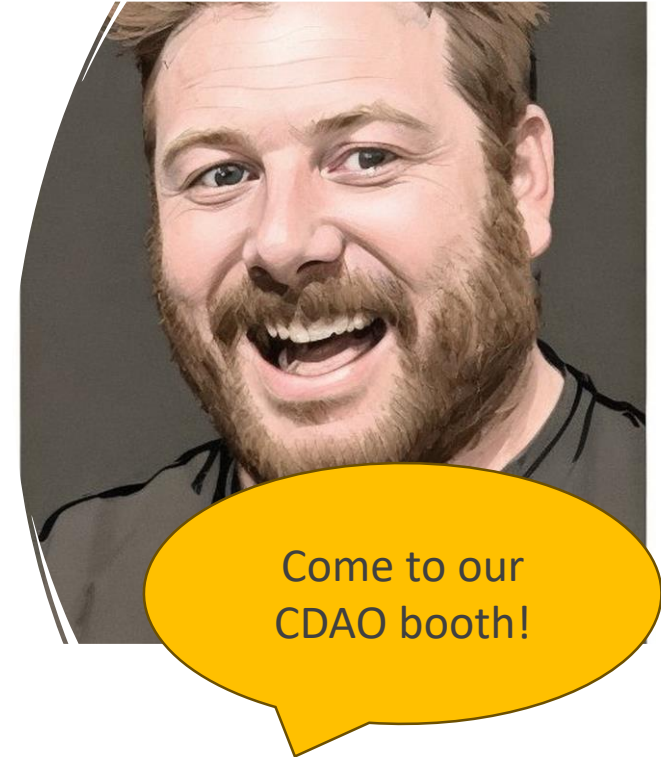
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