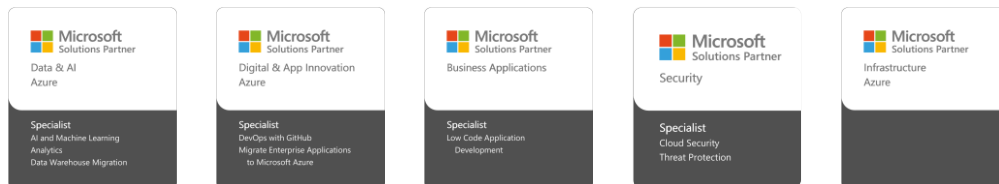


Data Science in Microsoft Fabric

Alex Omusoru

November 5, 2024



Microsoft Power BI
Partner of the Year 2021

 snowflake®
Technology Partner


databricks
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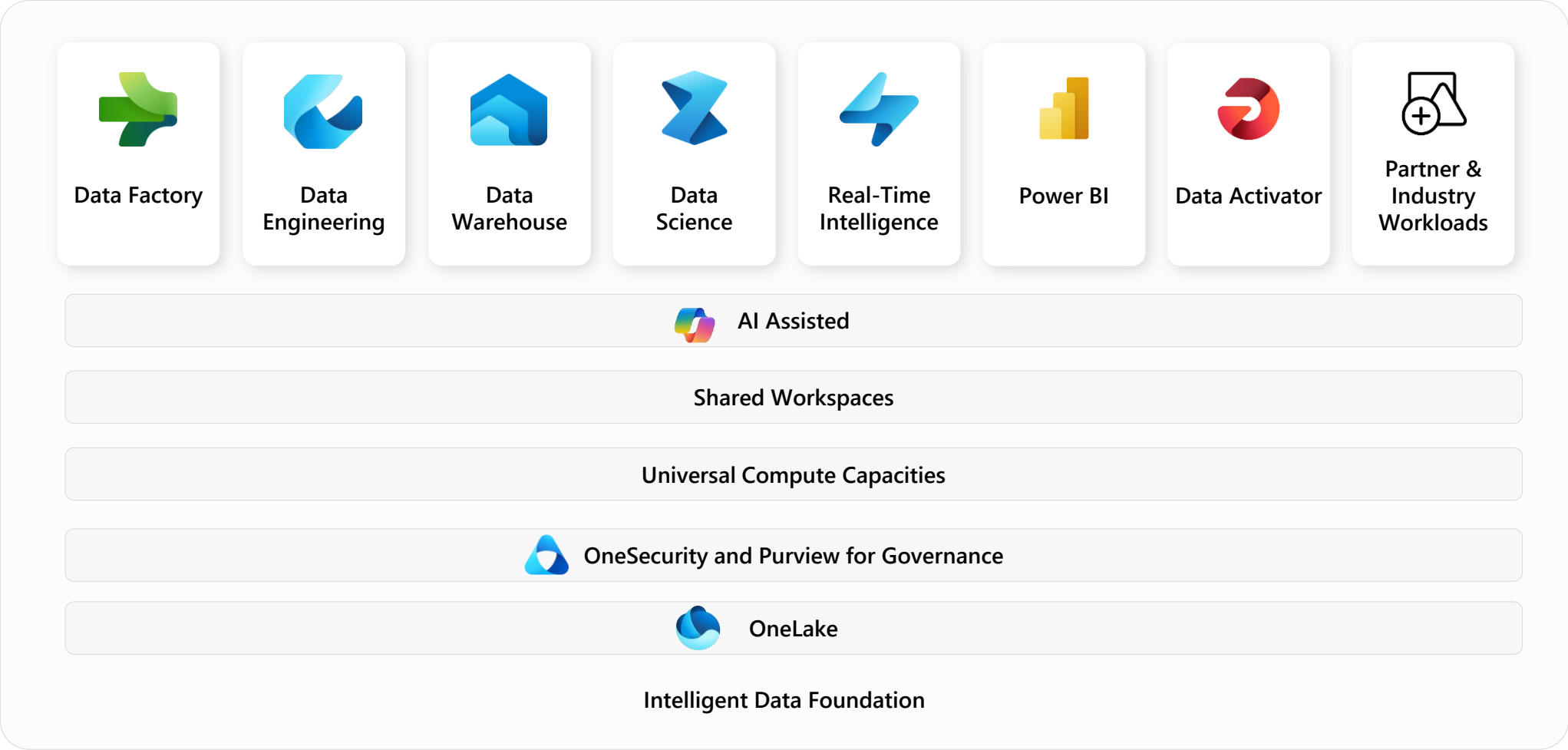


Inc. 5000

Agenda

1. Fabric Overview (5 mins)
2. Data Science and Fabric (20 mins)
3. High-Level Architecture (5 mins)
4. Use Case (5 mins)
5. Solution Walkthrough (30 mins)
6. Contact Us

Fabric Overview



Data Science and Fabric

Impact of Data Science and AI

For every \$1 a company invests in AI, it is realizing an average return of

\$3.5

14 months

Average time it takes for organizations to realize a return on their AI investment

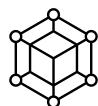
Data is the fuel that powers AI

Challenges



Disparate Data Formats

Data stored in multiple sources and formats. Structured, unstructured, batch and streaming data.



Model Selection

Many models and trade-offs (accuracy, interpretability, speed) and ensuring data compatibility.



Legacy Technology

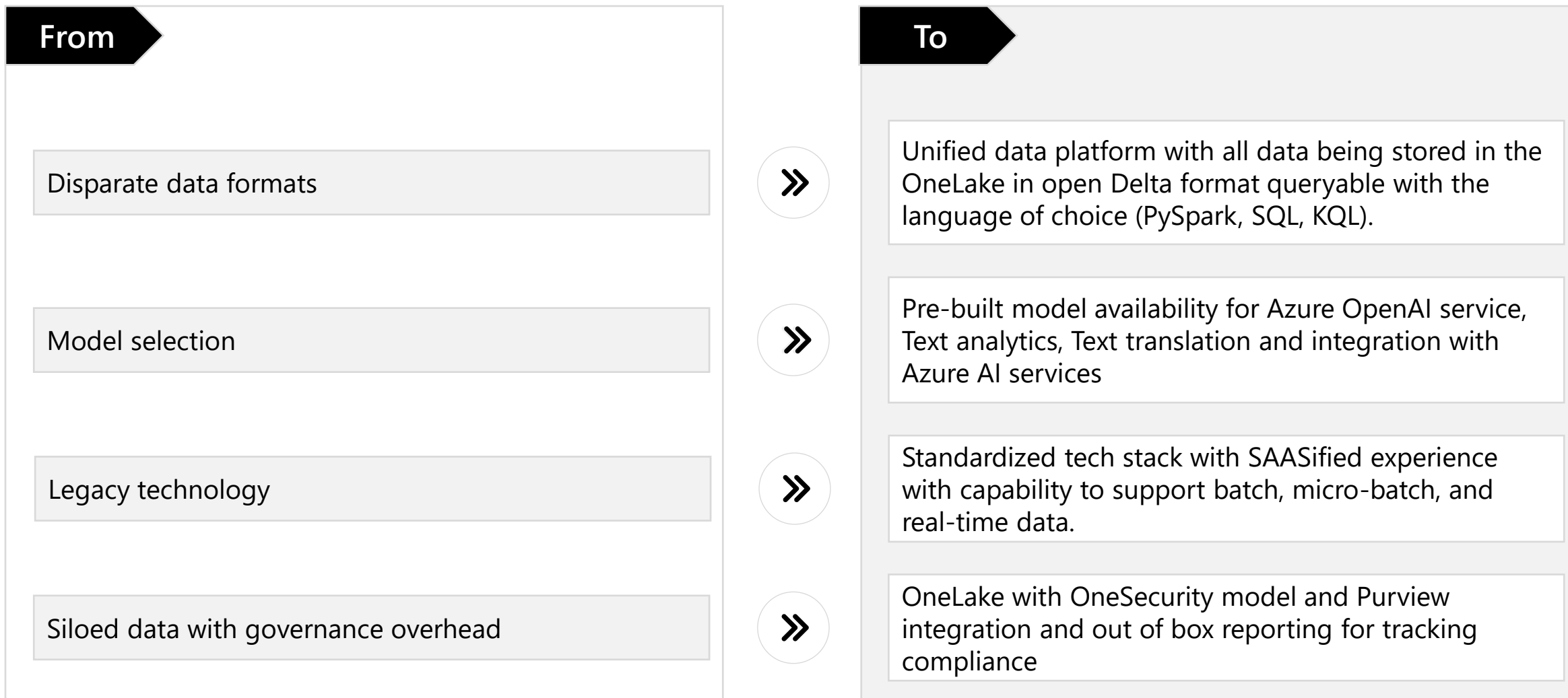
Inefficient implementation with limited processing power and scalability on old tech stack with monolithic systems,



Compliance and Collaboration

Siloed data with separate storage and access mechanisms with overhead for maintaining governance across all data in the solution.

Fabric Transformation



Impact of Data Science

Industries

HR

Legal

Finance

Education

IT

Entertainment

Healthcare

Automotive

Cross-Functional Scenarios

Cognitive Search
and Discovery

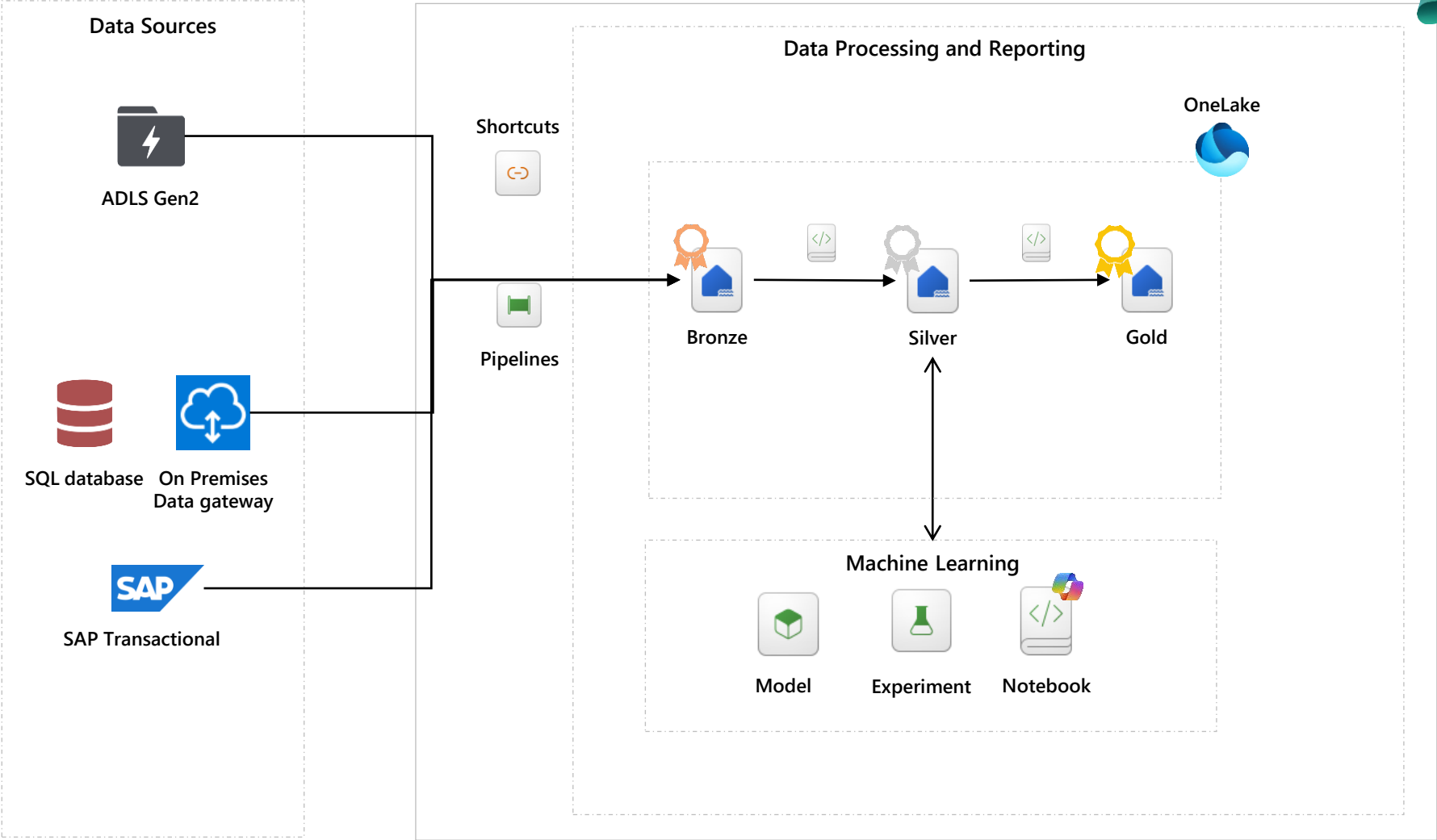
Code
modernization

Content Generation

Support

High-Level Architecture

Solution Architecture



Use Case

Three Stages of Support

1. Ticket Creation

- Automated Routing and Triage

2. Ticket Processing and Resolution

- AI-Powered Support
- Knowledge Base Enhancement

3. Ticket Closure and Follow Up

- Sentiment Analysis
- Proactive Follow-Ups

Solution Walkthrough

Upcoming Webinars

11/7: Real-time analytics in Fabric

Leverage **real-time data** through seamless integration and automated workflows, featuring solution architecture and practical use cases.

Register Here!



11/12: Gen AI in Fabric

Discover how AI can enhance productivity and transform your data strategy on the Fabric platform using **GenAI offerings**.

Register Here!



Contact Us

For an envisioning session, an MVP, or an actual migration, reach out to us at sales@maqsoftware.com.



2-Hour Briefing

Obtain a clear and insightful understanding through a comprehensive overview of Microsoft Fabric's capabilities.

1 Day Envisioning Session

Clear understanding of product capabilities and identify scope of pilot implementation with a brief on potential solution setup.

4-Week Assessment

Explore the possibilities of Microsoft Fabric with a 4-week assessment, optimizing your business processes.

Accelerated 8-Week Pilot Implementation

Accelerate your Microsoft Fabric implementation with an 8-week pilot, improving efficiency.

Discussion