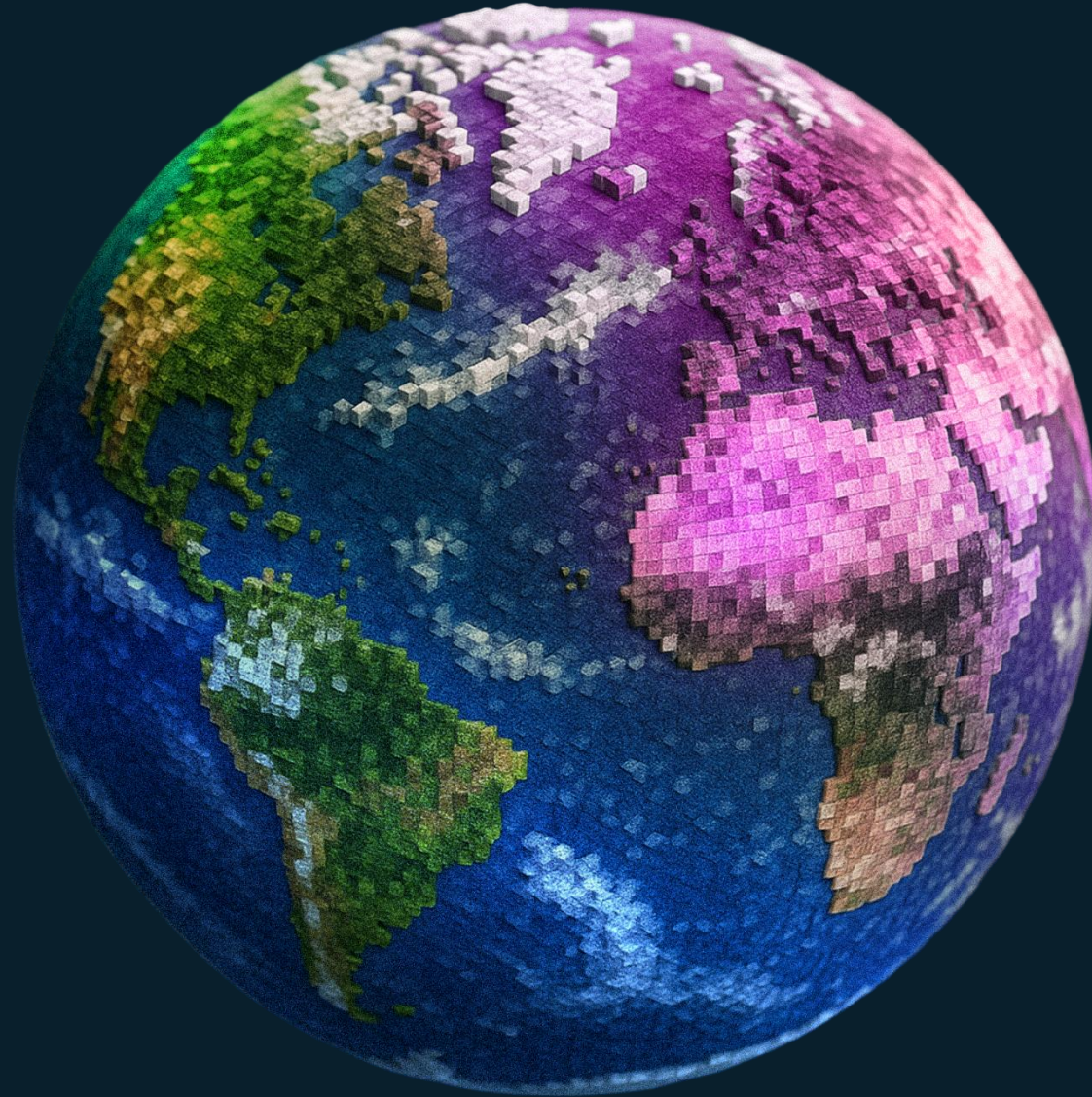


Building Organizational North Star for scaling AI Initiatives

Marc-André Poitras

Federal Lead
Cloud & AI Platforms
Customer Success

AI is transforming the world

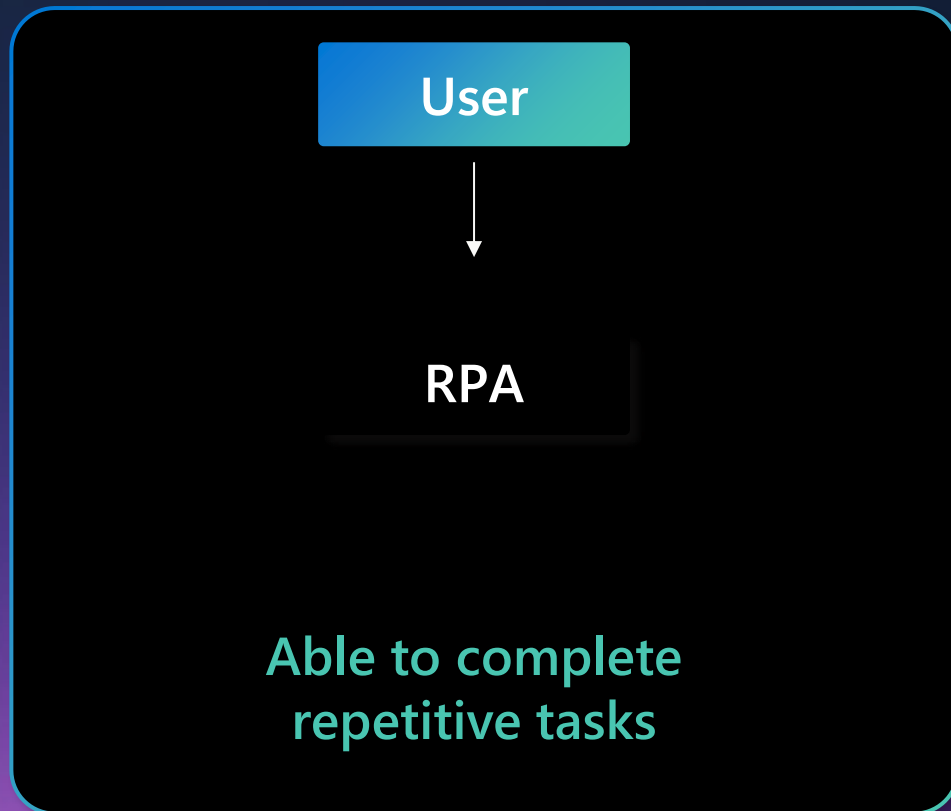


“A new era of digitization is unfolding—in which AI continuously learns and drives new levels of autonomy across organizations”

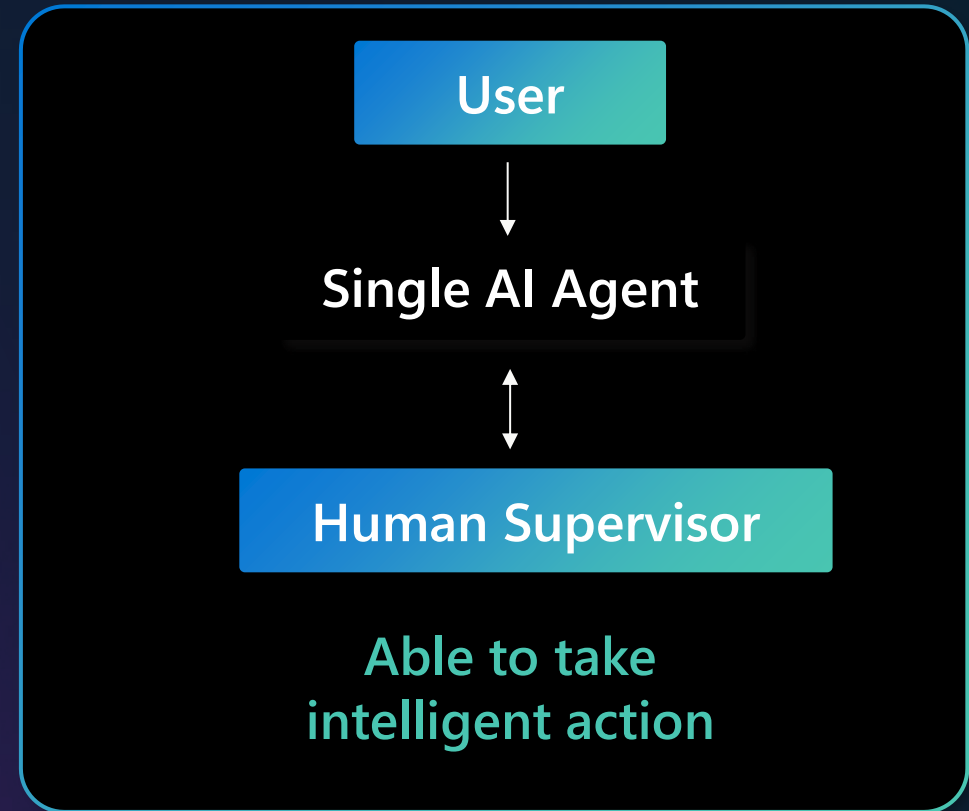
Where we are now:

Reactive, single-purpose, simplistic AI and automation

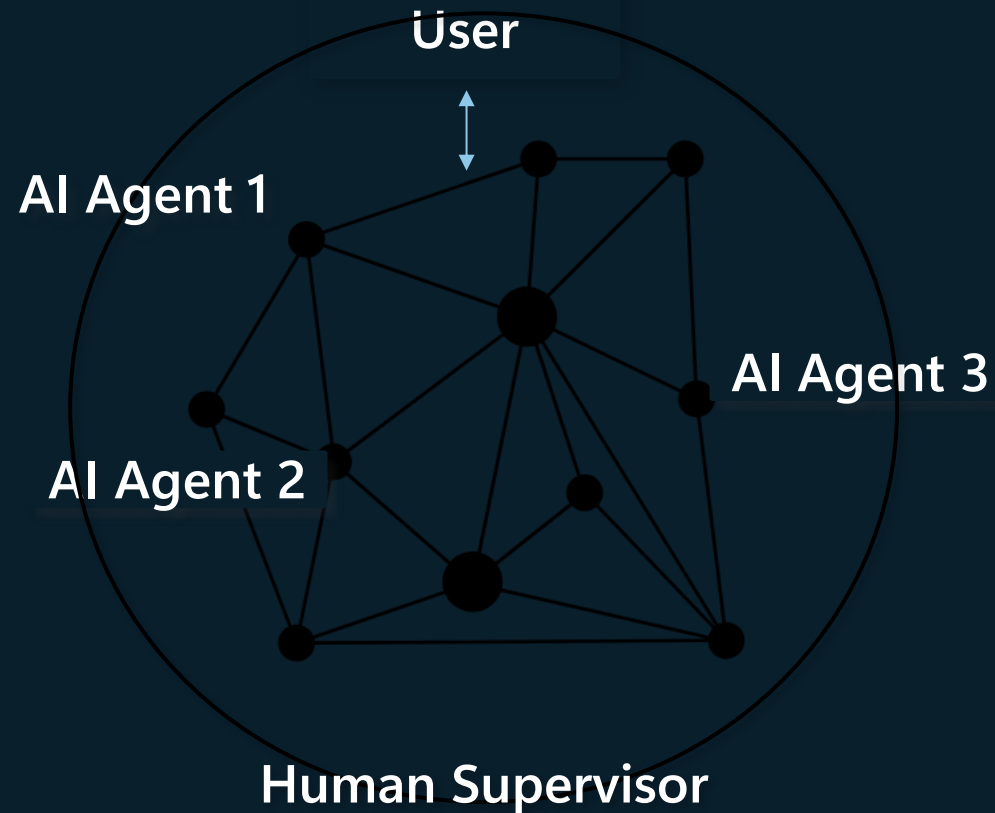
Yesterday



Today



Where we're headed: autonomous, adaptive, experiential AI



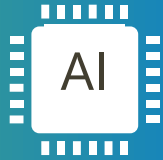
Able to collaboratively solve complex tasks

AI Transformation Primitives

Business Value



Your People



Your AI

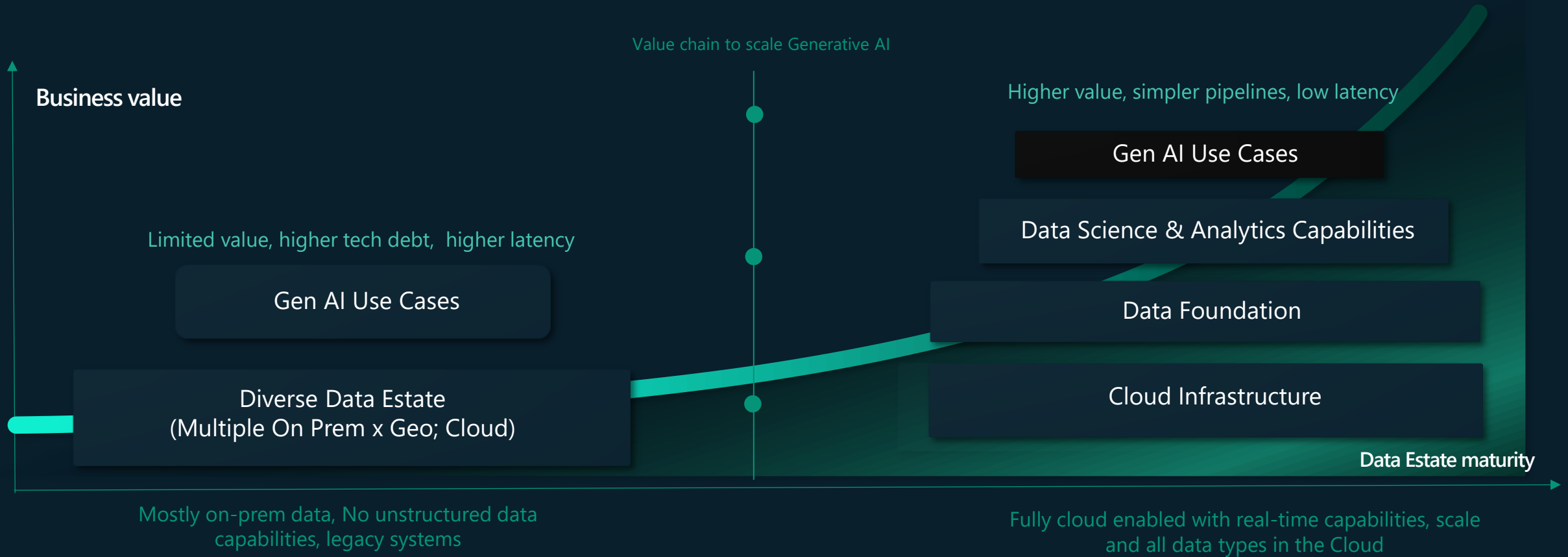


Your Data



Your
Operating
Model

Data Foundation in the AI Era



Modernize your data and legacy infrastructure



Envisioning future state; assess readiness of data and app estate and create roadmap



Innovate with AI and Cloud Native Services in every application



Empower your business users by democratizing AI and analytics

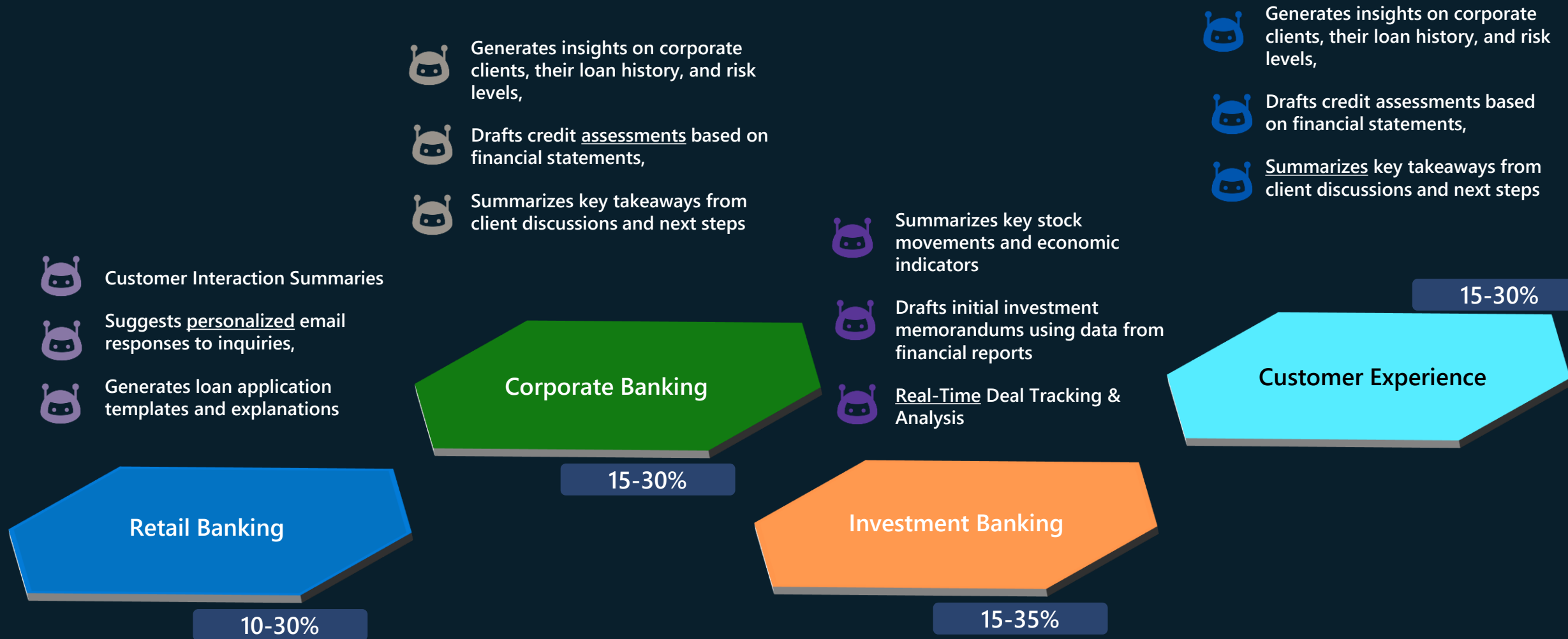
Let's imagine a multi-agent system...

Autonomous Agents



Drive value through capabilities

Scale your AI agents aligned to the needs of your business units and domains



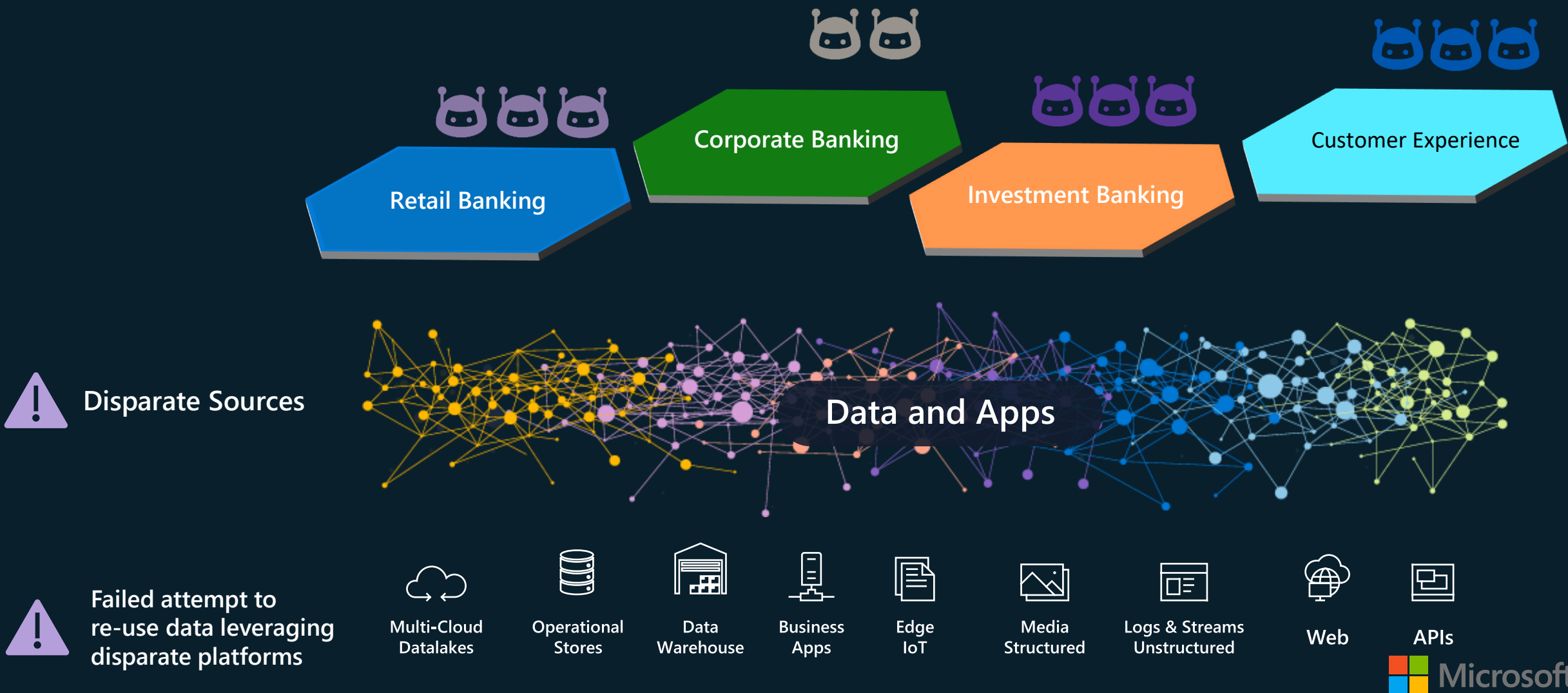
Current Challenge #1:

Solutions are not designed to connect directly to these sources at scale!



Current Challenge #2:

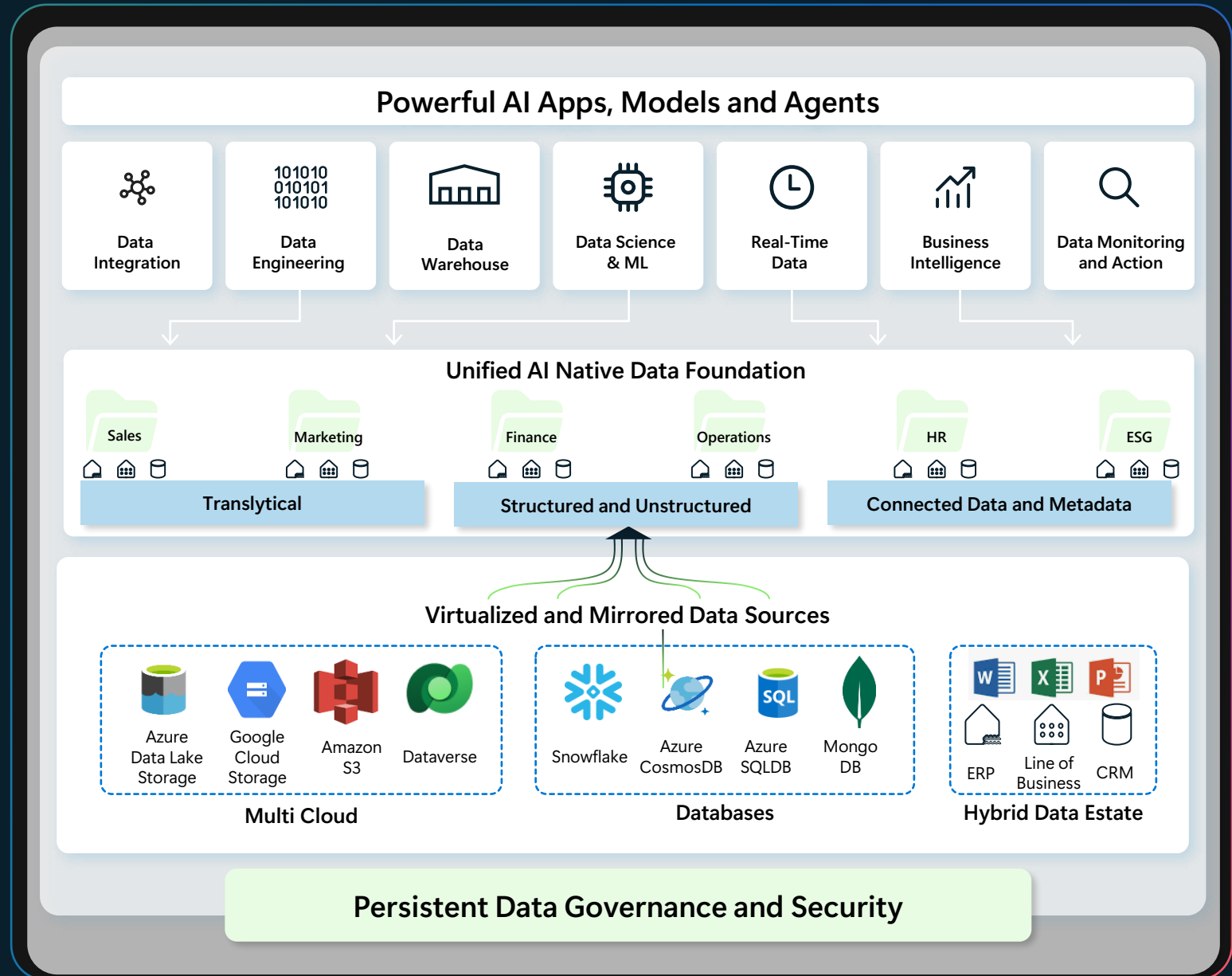
More data are consolidated in disparate sources, creating additional silos.



How can we **implement & scale** given current challenges?

Data estate build on open and governed data lake

Businesses need a unified, intelligent data estate built on an **open and governed data lake**.



How can we implement & scale given current challenges?

Step 1: Unify your data to become re-usable

- Adopt open formats so that data can be reusable to all use cases (AI, business intelligence, etc.)
- Consolidate following lakehouse solutions with aligned computes and capabilities
- Leverage shortcuts and mirroring technologies to avoid data duplication and movements

Data Governance,
Security, and Compliance

Unify Data



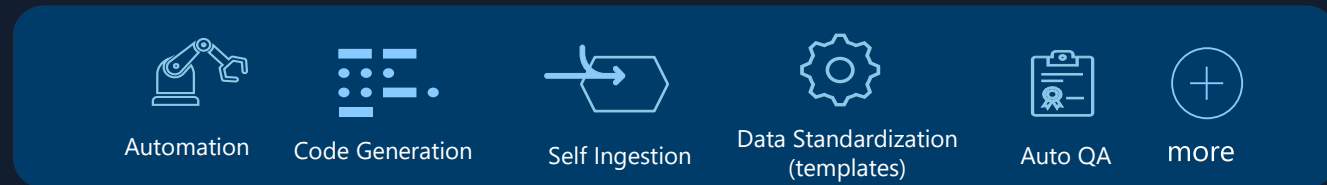
How can we implement & scale given current challenges?

Step2: Automate data operations to improve data agility and quality

Data Governance,
Security, and Compliance



Data Management



Unify Data



Data and Apps



How can we implement & scale given current challenges?

Step 3: Enable domains with data and resources they need to implement use-cases.

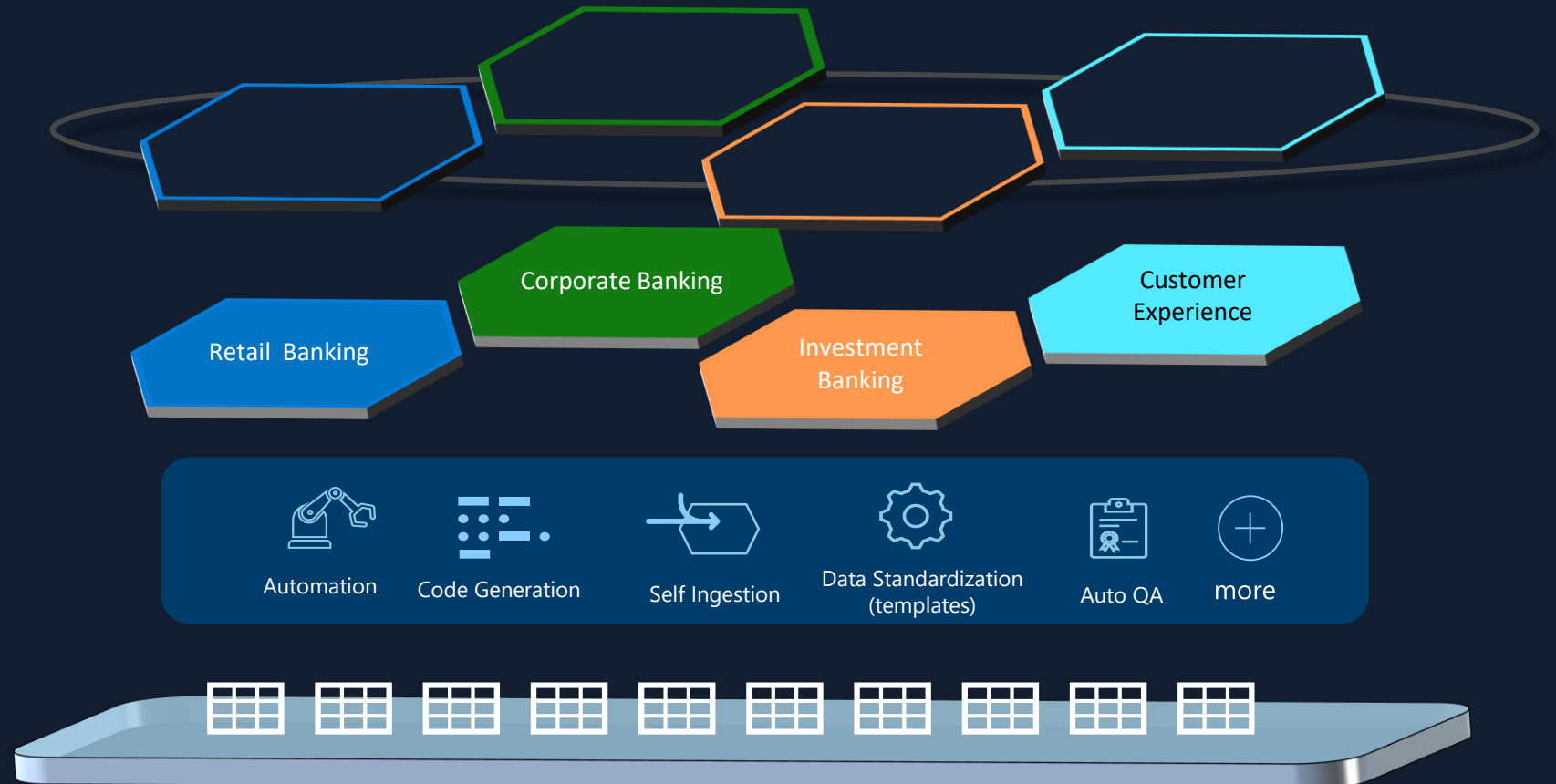
- Focus on building reusable data products that emphasize business functions and values.
- Identify business processes that can be automated using AI.
- Collaborate with other domain owners to integrate data products and AI agents being developed.

Data Governance,
Security, and Compliance

Data Domains

Data Management

Unify Data



How can we implement & scale given current challenges?

Implement a durable data foundation.

Data Governance,
Security, and Compliance

Data Domains

Data Management

Unify Data





Data & AI Foundation


AI

DATA

D&A Governance, Security & Compliance

 Pre-built capabilities: Multi-modality, content safety

 AI Orchestration: Prompt Flow, LangChain, etc.

 Model customization and tuning: Model Selection



Responsible AI

- Explainability
- Content Safety
- Bias & Fairness
- Etc.



Operationalization

- Experiments
- ML\LLMOps
- Agent Gov
- Evaluation


Data Domains


Data Management


Unify Data

Microsoft Data & AI Foundation

D&A Governance, Security & Compliance

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Responsible AI

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Operationalization

- Experiments
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Data Domains

Data Management

Unify Data



Purview



AI Foundry



Fabric



Azure
Databricks



OneLake



Thank you!