

From Governed Data and AI to **Trusted Enterprise Decisions**

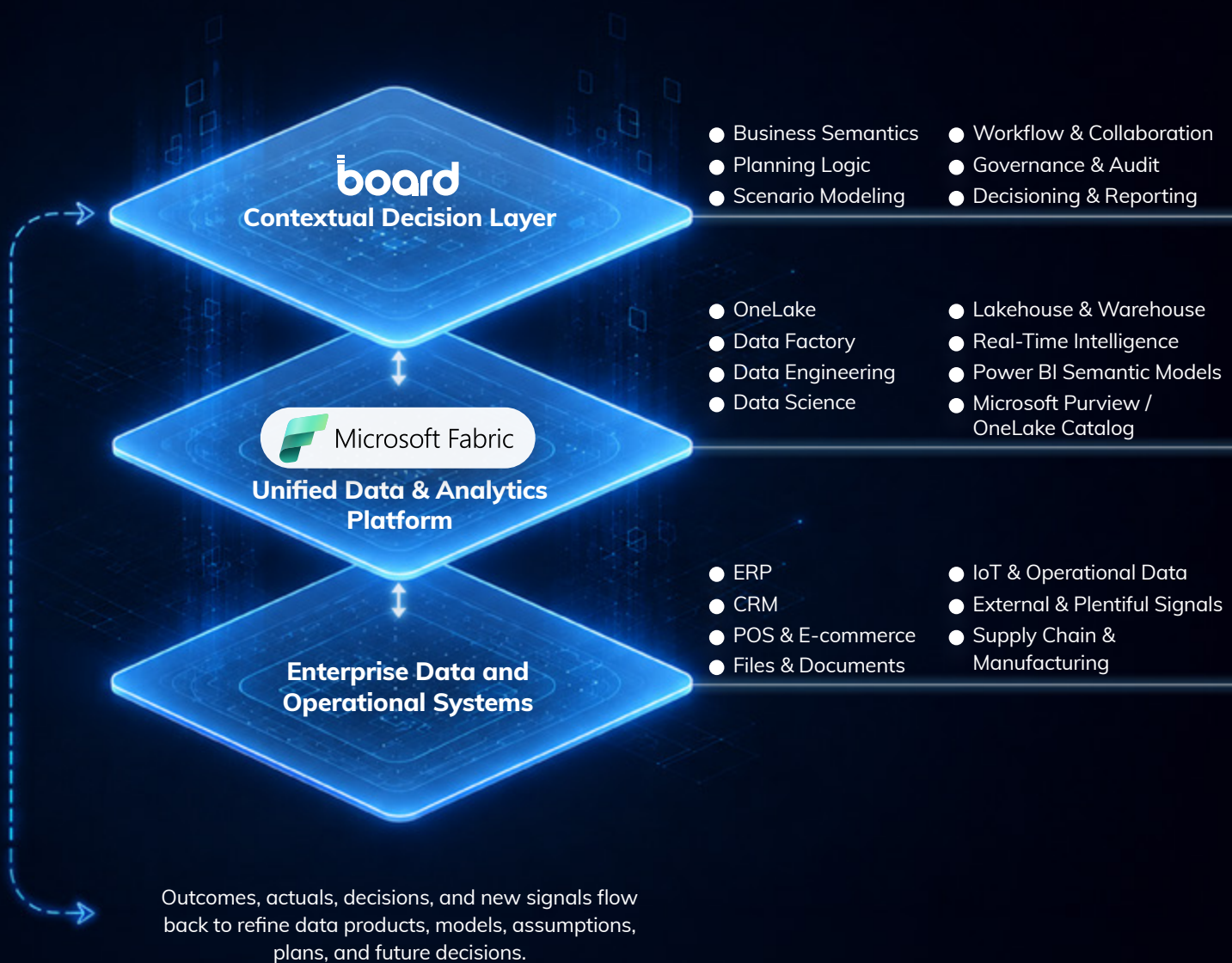
A reference architecture for connecting Microsoft Fabric
with Board's Contextual Decision Layer



board

Microsoft Fabric provides the governed data and analytics foundation.

Board adds the business context, planning logic, scenarios, workflows, and decision governance required to turn intelligence into coordinated action.

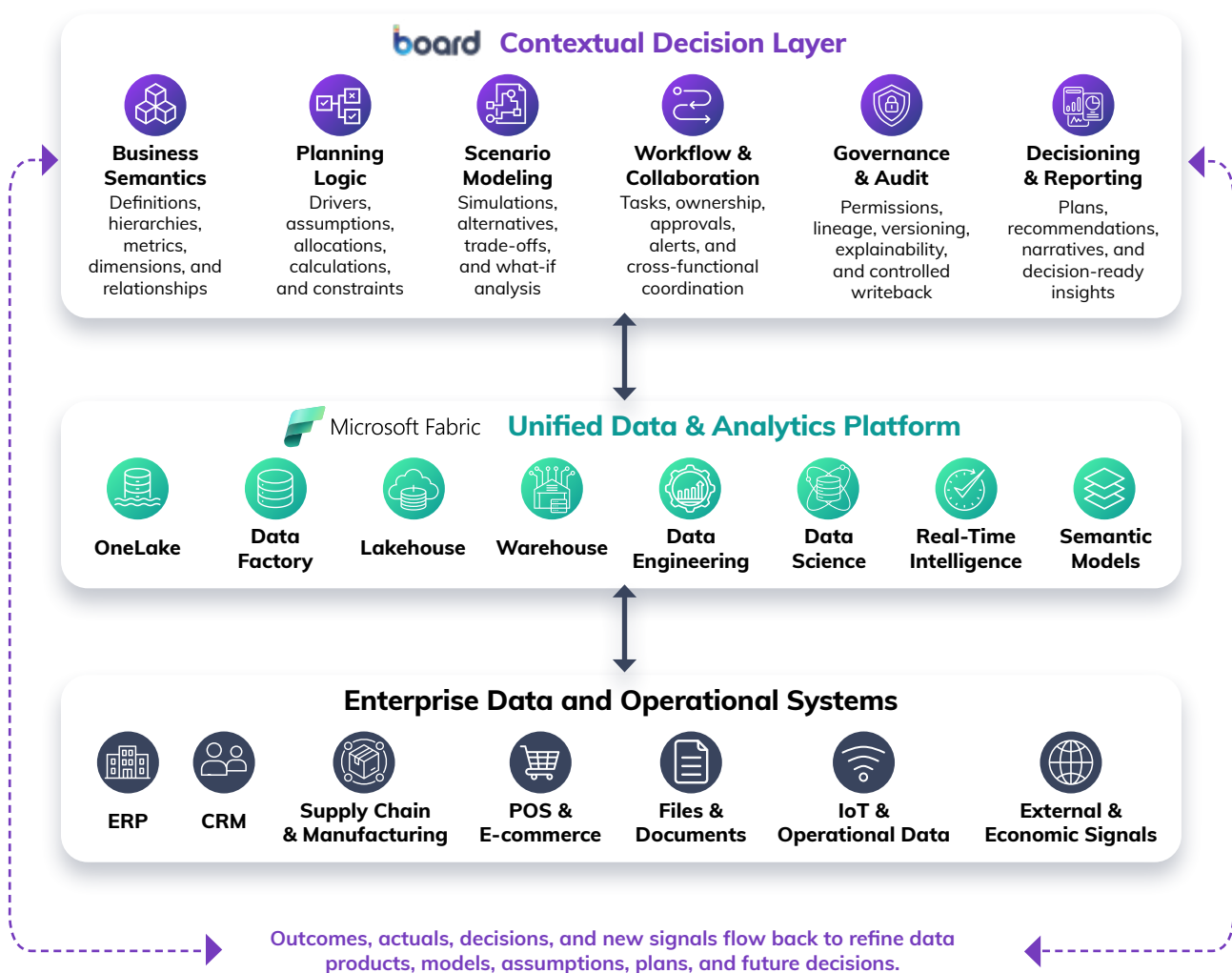


How Board and Microsoft Fabric close the gap between enterprise intelligence and coordinated business action.

Enterprises have invested heavily in modern data platforms, governed data products, machine learning, and generative AI. Yet trusted data and intelligent models do not, by themselves, produce trusted business decisions.

Enterprise decisions also depend on planning assumptions, business rules, financial logic, scenarios, ownership, approvals, operational constraints, and human judgment. These capabilities often remain distributed across spreadsheets, applications, and departmental processes.

Board and Microsoft Fabric address these complementary requirements.



Why this architecture matters



Governed Data and AI Foundation

Microsoft Fabric provides unified, scalable, and governed access to enterprise data, analytics, metadata, and reusable data assets.



Decision Context

Board adds the business semantics, assumptions, rules, workflows, and planning structures required to make intelligence actionable.



Continuous Planning

Plans and forecasts adapt as new internal results, model outputs, and external signals become available.



Governed Action

Recommendations and decisions move through permissions, approvals, audit controls, and human oversight before execution.

Architectural principle

Keep enterprise data and AI assets where they belong.
Keep planning logic and decision governance where they belong.
Connect them through secure, governed interfaces.

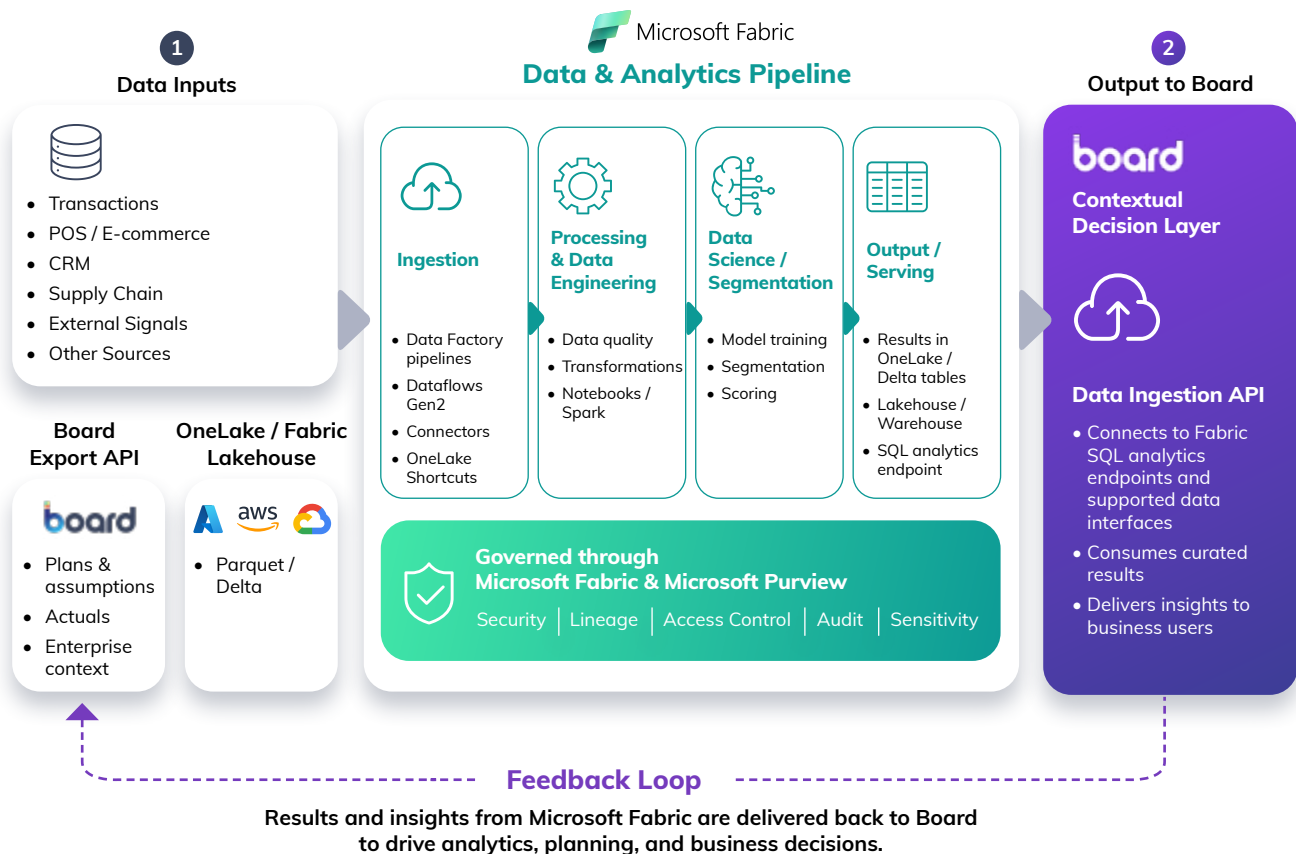
Enterprise Data Integration & AI Pipeline

Most enterprises already have the core components required for enterprise AI: cloud storage, governed data pipelines, data engineering, and machine learning.

The challenge is operationalizing those assets inside planning and decision workflows.

This reference pattern shows how Microsoft Fabric prepares and governs enterprise data and analytical outputs, while Board activates those assets through planning models, business rules, scenarios, and workflows. Together, the platforms create a continuous flow from governed data and AI to coordinated plans, actions, and measurable business outcomes.

Customer Segmentation Pipeline: Reference Architecture



Board Export API exports planning data and enterprise context for consumption by Microsoft Fabric, using open formats such as Parquet. Fabric can ingest and transform this data through Data Factory pipelines, Dataflows Gen2, notebooks, or other supported Fabric ingestion patterns. Curated results can then be consumed by Board through supported SQL and data interfaces.

Key Benefits



End-to-end cycle
From data to insights and back



Flexible data inputs
Internal sources or via Board Export API



Governed, secure, and scalable
With Fabric and Microsoft Purview



Standard Microsoft Fabric pipelines
For ingestion, processing, and ML

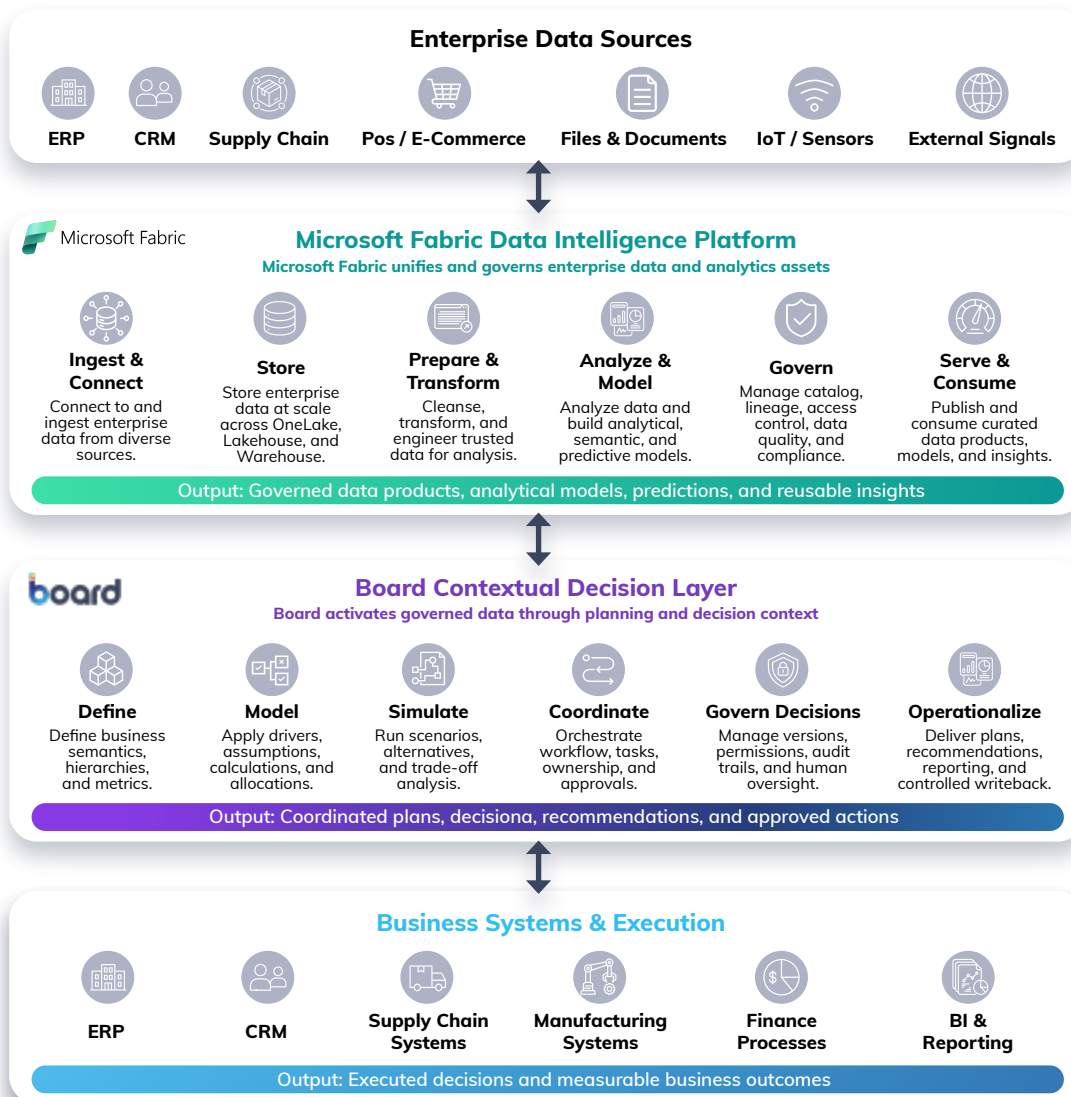


Actionable insights
Delivered to Board for business users

Architectural Responsibilities

Clear boundaries. Shared governance.
Coordinated outcomes.

Microsoft Fabric and Board have complementary responsibilities across the enterprise data-to-decision lifecycle. Clear boundaries ensure each platform delivers maximum value while working together to drive business outcomes.



Why clear boundaries matter

Keep data engineering, analytics, and data governance in Microsoft Fabric.

Keep planning logic, scenarios, workflows, and decision governance in Board.

Connect them through secure, governed interfaces.

Shared Responsibilities

Security & Compliance

Protect data and meet enterprise policies.

Identity & Access

Align roles and permissions across platforms.

Governance Alignment

Maintain consistent ownership, lineage, and standards.

Operational Excellence

Monitor reliability, performance and support.

Business Outcomes

Measure the value of data-to-decision execution.



Microsoft Fabric Optimizes
Connect - Store - Govern - Analyze



Board Optimizes
Activate - Enrich - Plan - Decide



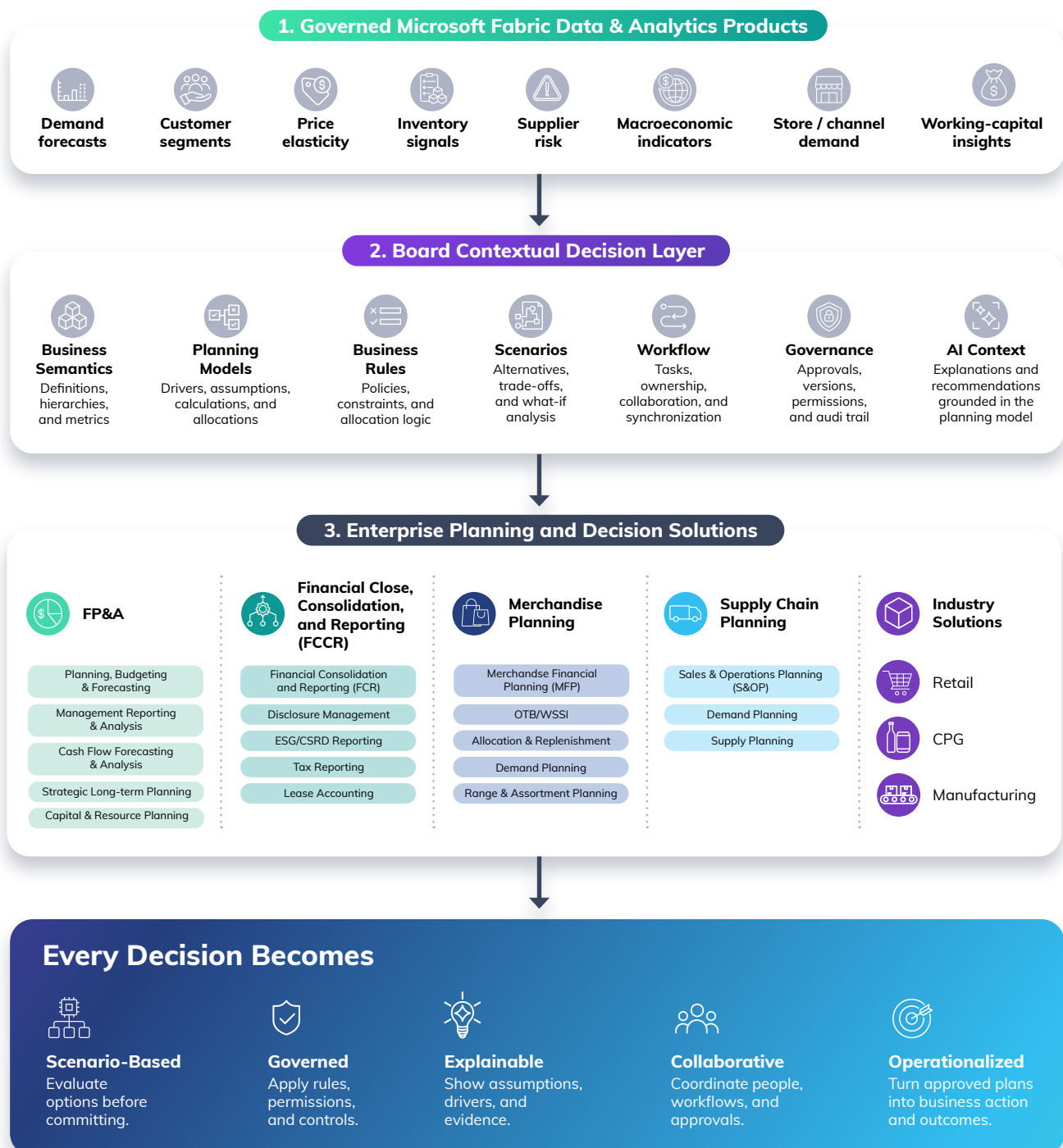
Business Systems Optimize
Execute - Measure - Operate - Improve

From Data Products to Enterprise Decisions

How Board activates and enriches governed Microsoft Fabric data products with planning context

Microsoft Fabric provides governed, reusable data and analytics assets across OneLake and Fabric workloads. Board adds the business context, planning logic, workflow, and governance required to transform those assets into coordinated plans, recommendations, and actions.

Together, Microsoft Fabric and Board turn governed data and analytics into measurable business outcomes.



Architecture Design Principles

Recommended practices for enterprise planning architectures built on Microsoft Fabric and Board.



Keep enterprise data in Microsoft Fabric.

Avoid duplicating governed enterprise datasets. Leverage Microsoft Fabric as the governed enterprise data and analytics foundation where those assets reside.



Expose trusted data products—not raw data.

Planning should consume curated, governed data products with clear business definitions, quality, lineage, and access controls.



Separate analytics from planning.

Use Microsoft Fabric to prepare, analyze, and generate trusted analytical outputs. Use Board to plan, simulate, collaborate, and decide what the business should do next.



Keep planning logic deterministic.

Business rules, assumptions, allocations, approvals, scenarios, and workflows belong in the Contextual Decision Layer, not inside prompts or LLMs.



Close the loop.

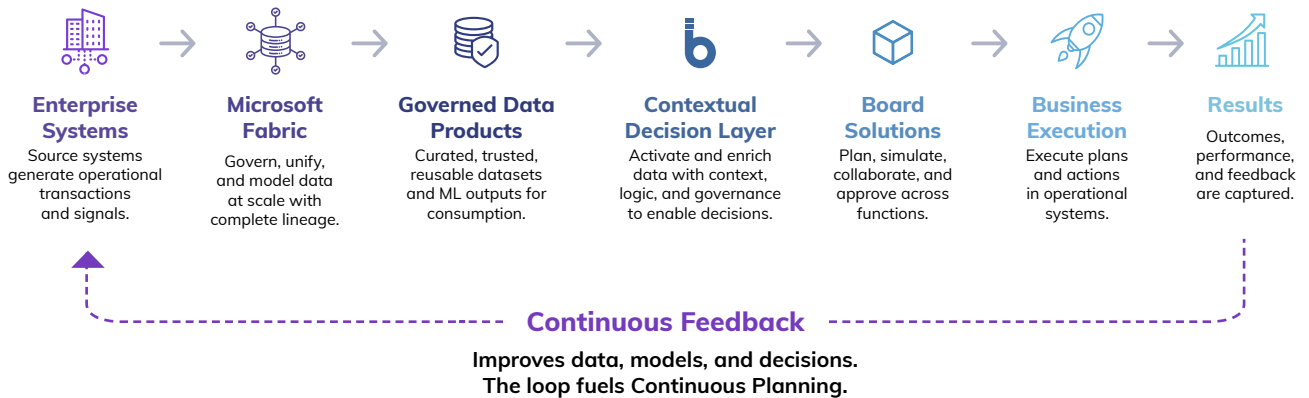
Plans, decisions, annotations, and outcomes should flow back to Microsoft Fabric to improve analytics, models, and enable Continuous Planning.



Build for openness.

Use open standards and interfaces. REST, Delta, Parquet, SQL, and open APIs protect choice and enable long-term architectural flexibility.

Recommended Reference Pattern



Part of the Board + Data Platform Series

Board complements leading data platforms by activating and enriching governed data with planning context, business rules, workflow, and decision intelligence.

Previous Guide



Board + Databricks

Activate & Enrich Enterprise Data with Continuous Planning.



Current Guide



Board + Microsoft Fabric

Activate & Enrich Enterprise Data with Continuous Planning.



Coming Next



Board + Snowflake

Activate & Enrich Enterprise Data with Continuous Planning.

Coming Soon

Learn more at
www.board.com