Strategy

MOSAIC

What *will* a Semantic Layer do for me?

Let's talk!

Nick Barth · Strategy

CDAO · Tuesday 15 September 2026

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MOSAIC

Meet your Speaker



Nick Barth

Senior Sales Engineer

Let's talk!


22,000 years old.
Nobody can read it.


1
independent
What will an semantic layer do for me?
Strategy

Definitions.
Revenue is...

Like for like Sales
Same-Store Sales (SSS) /
Comparable-Store Sales (Comps)

Net Sales
sales after deductions such as discounts, COS

Gross Sales
total sales before all deductions

Completed Orders
All closed orders excluding returns

Strategy

One number three ways it creates friction.

1

Definitions

If you changed one today, how long before it's right everywhere?

2

Token Consumption

Solved from scratch, every time — instead of already known.

3

Cloud cost

Rising, with no clear line back to an insight.

Strategy

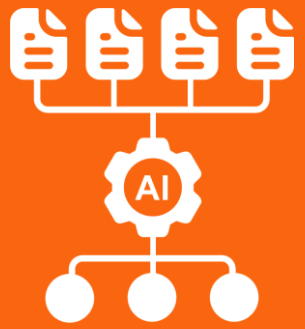
Why AI needs meaning just as much as we do.



AI is us



AI is probabilistic



Context is King

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Everyone has one.
Not everyone has a great one.

A Semantic Layer

- Bundled with one vendor
- Recreates metrics, tool by tool
- A presentation layer in disguise

An independent semantic layer

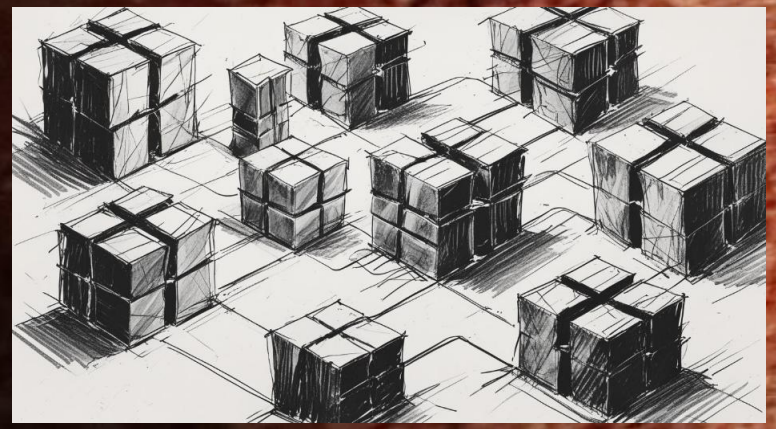
- One definition, one dictionary
- Works with any vendor's stack
- Data virtualisation, not a report cache

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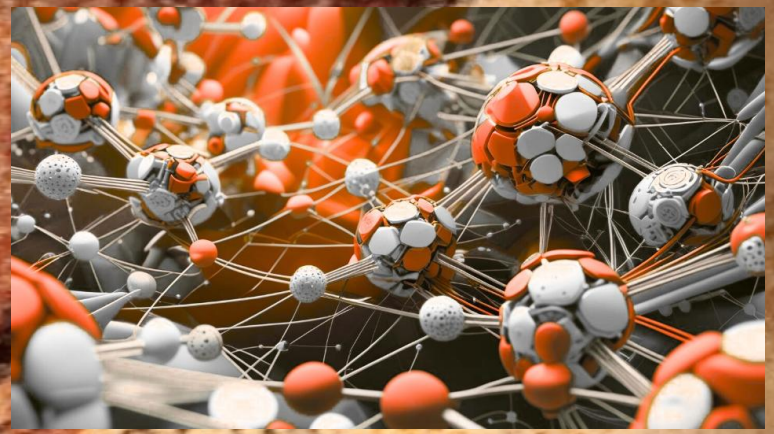
Strategy

A great semantic layer is not a collection of tables – it's an AI ready digital twin

Data Models vs. Rich Semantics



Connections
Tables
Joins
Column Metadata
Views
Metrics



Multi-form Attributes
Hierarchies
Drill Paths
Level Metrics
Custom Calendars
Time Zone Awareness
Dynamic Join Paths
Dynamic Filters
Localization Rules



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Will a semantic layer…?

Transform my business?	Transform how you consume data data
Improve Data Literacy?	Make AI Deterministic
Catalogue my intellectual property? property?	Define how you use business logic
Fix ‘too many tools’?	Complete your medallion architecture

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Value - in the real world

DIAGEO

Data Products
in days not weeks.



Cloud compute costs
from £150,000 to £105
per annum for one
report.

SOCIETE GENERALE

Database migration in
5.5% of the time
planned for.

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Ask if your Semantic Layer can achieve all this.

01 · COST

Input Token Cost Reduction

up to −98%

02 · QUALITY

AI Accuracy

30 → 95+%

03 · LLM CONTEXT

Context Efficiency

50–95%

04 · PLATFORM COMPUTE

Warehouse Deflection

50–82%

05 · PORTABILITY

LLM Portability

Swap in minutes

06 · GOVERNANCE

Audit & Compliance

Every query

Powered by Mosaic semantic layer + MCP. Gartner: 60% of agentic analytics projects relying solely on MCP will fail without a semantic layer by 2028.

CONTEXT IS THE MOAT

SIX OUTCOMES. ONE LAYER. EVERY AI QUERY, EVERY DATA SOURCE.

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Business Intelligence

Productivity

AI, Agents, 3rd Party Apps



Applications

Universal Semantic Layer

Cloud Data Warehousing & Big Data Analytics

Database Management Systems

Enterprise Resource Planning (ERP) & Management

Multi-cloud

ITSM & Workflow Management

Let's talk!

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Booth 14

See how an independent semantic layer can save you up to 75% of your of your cloud compute costs.



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