

ENTERPRISE - GRADE AGENTIC AI · TRUST BY DESIGN

The Authentic Intelligence Layer

AI and Data Security · Governance

How AITHENTIC delivers Agentic AI that finance, risk and IT leaders can actually trust — by separating data from reasoning, hardening the runtime, and validating every output.

01

Data Governance

02

AI Governance

03

Data Security

04

Hallucination Control

The trust problem facing CFOs, CIOs and Risk leaders

Most agentic AI projects stall not on technology — but on questions of trust. When AI touches financial data, regulated workflows or executive decisions, four risks block deployment.



Hallucinations on regulated data

LLMs invent numbers, sources or citations — unacceptable in finance, healthcare or compliance contexts.



No audit trail

Outputs cannot be traced back to source systems, KPIs or measures — making them indefensible to auditors and regulators.



Secrets sprawl & weak identity

API keys on the client, service accounts in code, no managed identity — security teams will not approve production.



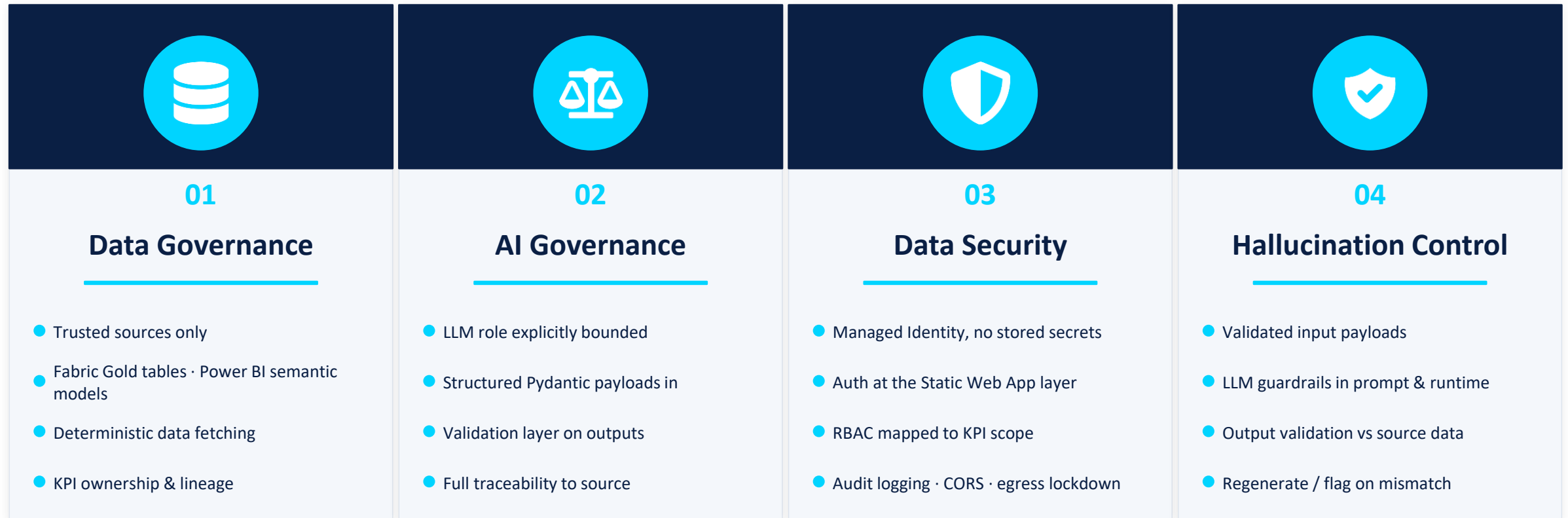
LLM as calculator

Asking an LLM to fetch and compute KPIs guarantees inconsistency. Finance numbers must be deterministic — not generated.

AITHENTIC's answer: an Authentic Intelligence Layer that solves all four — by design, not as an afterthought.

Four pillars of Authentic Intelligence

Every AITHENTIC engagement is built on four interlocking pillars. Together they make Agentic AI auditable, trusted, hardened and explainable — from day one.




The result: AI insights that finance, audit, risk and IT can sign off on — together.

FOUNDATIONAL GUARANTEE · DATA RESIDENCY

Trusted models. In your tenant. In your region.

AITHENTIC connects only to enterprise-hosted LLMs inside Azure AI Foundry. No public endpoints, no consumer LLM products, no data crossing borders.

 **What never happens:** consumer ChatGPT calls · data sent to public LLM APIs · customer queries used as model training data

INSIDE YOUR AZURE TENANT · IN YOUR REGION



Microsoft Azure AI Foundry

Enterprise-hosted models, governed inside your subscription · runs in your Azure region

AZURE OPENAI

GPT-4o · GPT-5

ANTHROPIC

Claude

GOOGLE

Gemini

x AI

Grok

+ MORE

Llama · Mistral · Cohere



NO PUBLIC ENDPOINTS

No consumer LLM APIs in the data path



STAYS IN REGION

UAE / KSA / your chosen Azure region



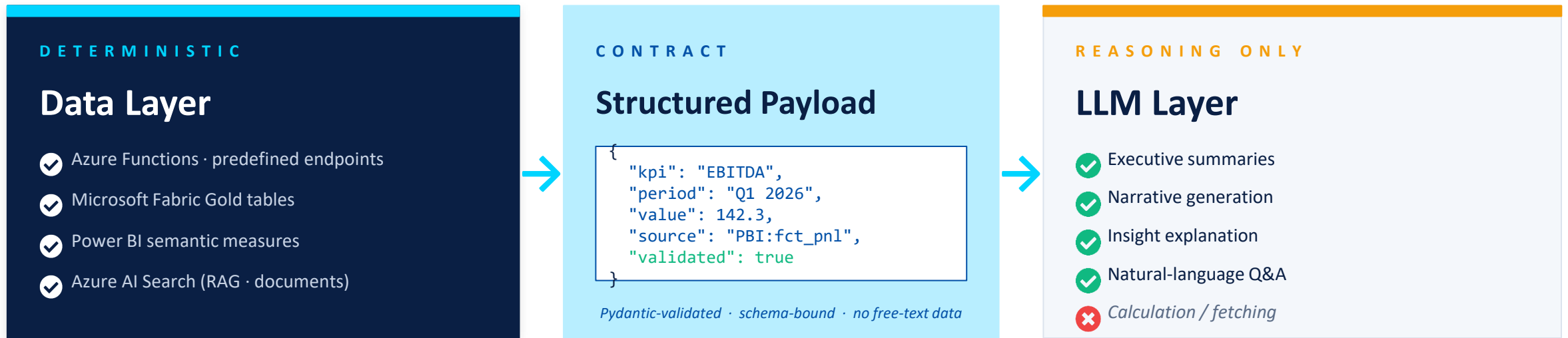
TENANT-ISOLATED

Runs inside your Azure subscription

FOUNDATIONAL PRINCIPLE

The LLM is not your database — and never your calculator

AUTHENTIC enforces a strict separation between trusted data retrieval and language-based reasoning. The LLM never decides what data to fetch, and never computes a KPI.



WHY THIS MATTERS
 The LLM is the language layer — never the source of truth. Financial numbers stay reliable. Audit trails stay intact. Hallucinations have nowhere to enter the calculation path.

Trusted sources, controlled access, full lineage

 AI insights are only as trustworthy as the data behind them. AITHENTIC binds every output to validated, lineage-tracked sources.

STRUCTURED DATA

Numbers, KPIs & metrics

SOURCES

- ✓ Microsoft Fabric — Gold tables (curated, conformed)
- ✓ Power BI semantic models — measures, KPIs
- ✓ ERP / EPM systems via certified connectors

USED FOR

Revenue · Cash flow · EBITDA · Working capital · any board-grade financial metric

UNSTRUCTURED DATA

Documents & context

SOURCES

- ✓ PDFs, PPTs, Word documents, policies, contracts
- ✓ Chunked & embedded into Azure AI Search
- ✓ RAG retrieval bound to user-permission scope

USED FOR

Narrative context · policy explanations · qualitative commentary supporting the numbers

Lineage everywhere: every value the AI cites can be traced to its exact source — table, measure, document and timestamp.

What the LLM may do — and what it never does

AUTHENTIC governs the LLM the way a regulated firm governs any high-risk system: explicit role boundaries, controlled inputs, and validated outputs.

✓ THE LLM IS USED FOR

- ✓ Executive summaries grounded in fetched payloads
- ✓ Narrative generation around verified KPIs
- ✓ Financial insight explanation (why not what)
- ✓ Natural-language Q&A over governed data

✗ THE LLM IS NEVER USED AS

- ✗ A calculator for KPIs or financial measures
- ✗ A query engine deciding which data to fetch
- ✗ A source of facts (numbers, dates, citations)
- ✗ A direct write-path into systems of record

Schema-bound input

Pydantic-validated payloads — the LLM only sees a fully-typed contract

Prompt-level guardrails









Role, scope and refusal policies enforced in every system prompt

Output validation

Generated narrative checked against source data before reaching the user

Eight-point hardening — security teams sign off

Identity, secrets, network and audit are non-negotiable. AITHENTIC follows a single, opinionated security baseline on every engagement.


<p>01</p>  <p>Managed Identity</p> <p>Identity flows via Managed Identity — never stored secrets</p>	<p>02</p>  <p>API key off the client</p> <p>Master keys stay server-side; clients never hold privileged keys</p>	<p>03</p>  <p>Auth at the edge</p> <p>Users authenticated at the Static Web App layer before any call</p>	<p>04</p>  <p>RBAC = KPI scope</p> <p>Role-based access maps to KPI scope — not just URL access</p>
<p>05</p>  <p>Key Vault only</p> <p>Key Vault is the single, exclusive home for every secret</p>	<p>06</p>  <p>Audit logging</p> <p>Every Function App call is logged for compliance and forensics</p>	<p>07</p>  <p>Network lockdown</p> <p>Egress controls and CORS lockdown enforced at the platform layer</p>	<p>08</p>  <p>LLM guardrails</p> <p>Runtime guardrails on prompts, completions and tool invocations</p>

Aligned with Azure Well-Architected Framework · ISO 27001-ready · KSA & UAE data-residency by default

Three layers of defense before the user sees anything

AITHENTIC treats hallucinations as a system-level risk — not a model-level quirk. The defense is engineered before, during and after generation.

L 1 Pre-LLM <i>Validated input</i>	L 2 In-LLM <i>Bounded generation</i>	L 3 Post-LLM <i>Output validation</i>
<ul style="list-style-type: none"> ✓ Deterministic data fetch ✓ Pydantic schema enforcement ✓ Missing-field detection ✓ Type and range checks 	<ul style="list-style-type: none"> ✓ Role-locked system prompt ✓ Refusal policies enforced ✓ Grounded-only response mode ✓ Tool-use guardrails 	<ul style="list-style-type: none"> ✓ Cross-check vs source payload ✓ Numeric consistency tests ✓ Citation presence check ✓ Regenerate / flag on mismatch

 **OUTCOME** What reaches the executive is grounded, validated and source-traceable — or it does not reach the executive at all.

From narrative to source — every insight, defensible

Beyond the baseline, AITHENTIC adds a validation step and a traceability surface so users can see exactly where each AI insight comes from.

BASELINE FLOW

Current

- 1 Azure Functions fetch from Fabric / Power BI
- 2 Build structured JSON payload
- 3 Send payload to LLM
- 4 LLM generates narration
- 5 Show response to user

AITHENTIC ENHANCED FLOW

Enhanced

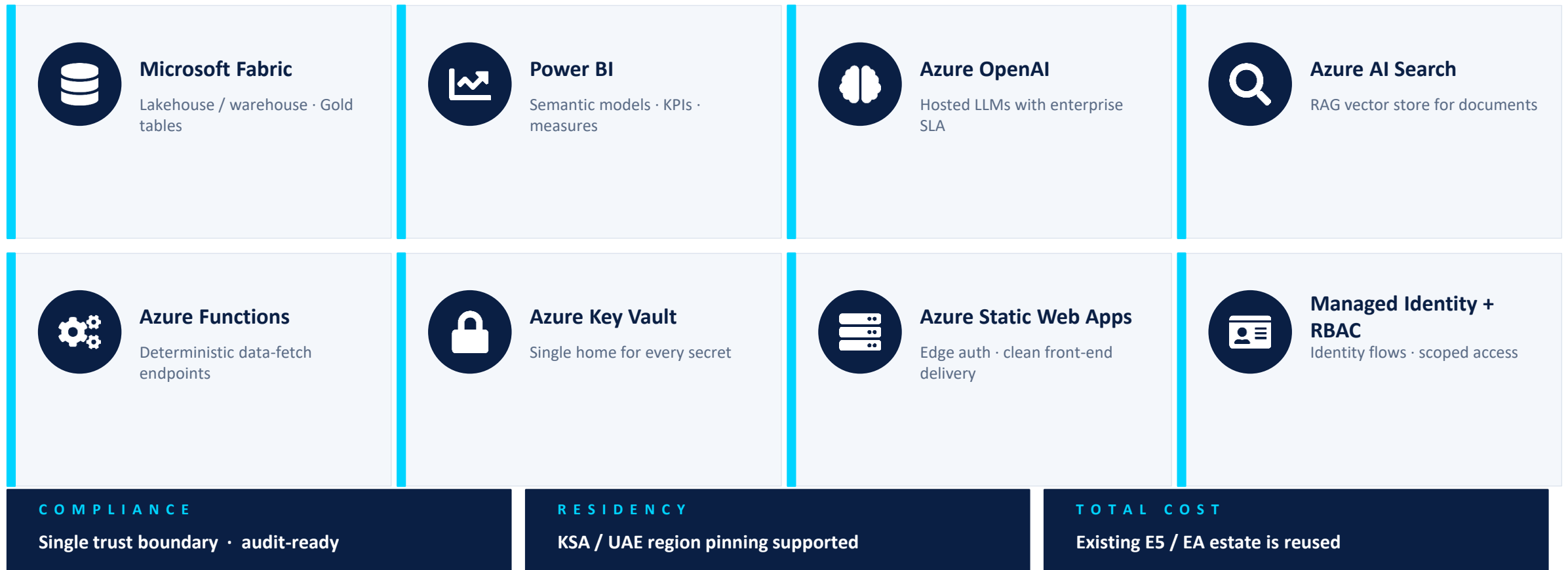
- 1 Azure Functions fetch from Fabric / Power BI
- 2 Build structured JSON payload
- 3 Send payload to LLM
- 4 LLM generates narration
- 5 **VALIDATION LAYER · consistency vs source**
- 6 **If valid → show response | If not → regenerate / flag**

EXAMPLE · *“EBITDA decreased due to increased costs”* → **EBITDA: PBI measure · Costs: Gold table · Period: Q1 2026**

PLATFORM ALIGNMENT

Built end-to-end on the Microsoft trust boundary

Staying inside one cloud provider's trust boundary simplifies compliance, identity and data residency. AITHENTIC's reference architecture is Azure-native by default.



WHAT 'AUTHENTIC' MEANS

Not just intelligent. Authentically trustworthy.

Auditable

Every output traces to source data, owner and timestamp.

Trusted

Numbers come from systems of record — never from the model.

Hardened

Identity, secrets, network and audit pass enterprise security review.

Explainable

Users see why an insight exists — not just what it says.

Authentic AI. Augmented Outcomes.

AITHENTIC

LET'S TALK

Build an AI your auditors can sign.

AITHENTIC delivers Agentic AI as outcomes — packaged, governed and production-grade. From discovery to live in weeks, with the trust posture finance, risk and IT can defend.



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