

Agentic Data Management (ADM™) Platform

The Next-Gen Data and AI Platform for Trusted Data and Converged Intelligence.



AI Moves Fast. Your Data Quality Should Too.



Most data teams still operate on week long cycles. ADM automates Data Quality to keep pace with the business.

AI Demands	Data Reality
<ul style="list-style-type: none"> Model builds: Daily 	<ul style="list-style-type: none"> 16-day QA cycle
<ul style="list-style-type: none"> Feature tuning: Weekly 	<ul style="list-style-type: none"> 6-week policy approval
<ul style="list-style-type: none"> Predictions: Every second 	<ul style="list-style-type: none"> 7-week root cause fix

ADM is a unified agentic AI layer that observes, reasons, and acts across your entire data ecosystem.

★ How It Works: Observe. Reason. Act.

From static checks to adaptive intelligence — ADM operationalizes AI-ready data.



Semantic Metadata Discovery (Observe)

Context-aware metadata that translates fields into business meaning— like turning “field_8924” into “risk score.”



Dynamic Policy Application (Reason)

Automated governance that adapts in real time as data context shifts, removing policy bottlenecks.



Agentic Actions (Act)

Autonomous agents that notify, remediate, or self-heal pipelines— operating with flexible oversight (human-in → on → out of the loop).

Powered by autonomous agents with semantic memory — now let's dig into the xLake reasoning engine that drives it.

Built on xLake. Powered by Agents.

Trust Operationalized. AI at Enterprise Speed.

At the core of ADM is **xLake** — a reasoning engine that transforms metadata, lineage, alerts, tickets, and business context into intelligent action.

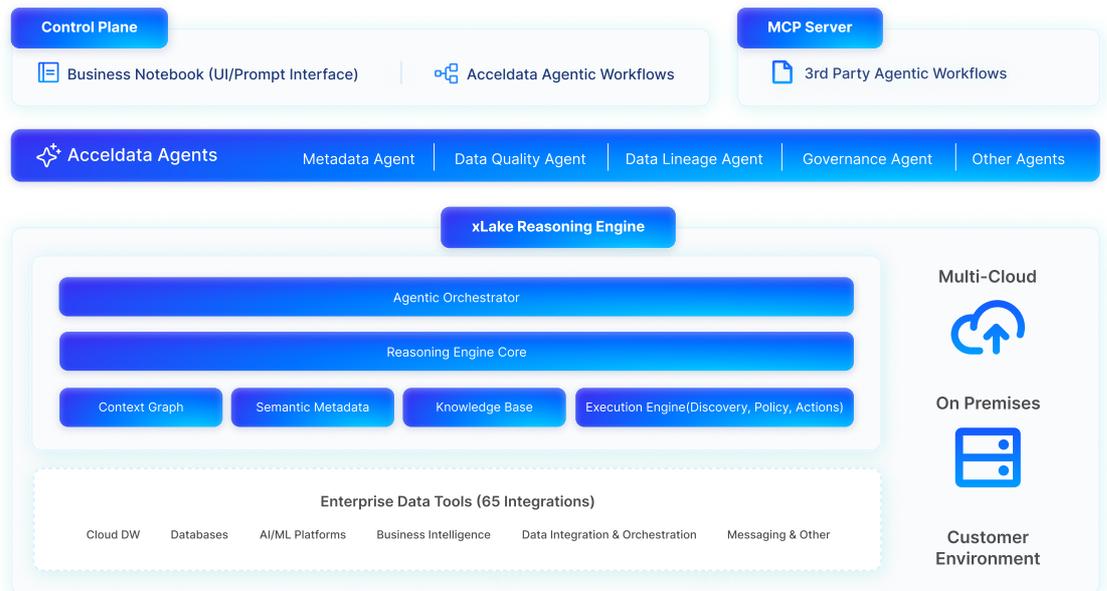
✔ **Semantic Metadata Fabric** understands meaning.

✔ **Dynamic Policy Workflows** applies live governance.

✔ **Agentic Orchestration** powers both native and third-party agents.

✔ **Broad Context Window** pulls from alerts, tickets, business docs, and catalogs.

Built to support both native and third-party agents, ADM can evolve with your tech stack and data priorities.

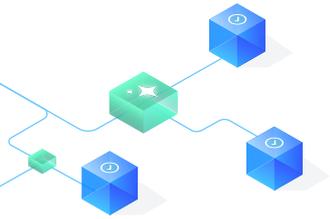


From memory to meaning, here's what ADM can really do that legacy tools can't.

What ADM Does and Legacy Tools Don't

From dashboards to decisioning — ADM replaces passive monitoring with intelligent, autonomous action.

Acceldata ADM combines four powerful components into a unified platform that delivers trusted, AI-ready data at scale:



Unified Observability Across the Data Estate

Powered by AI Agents + xLake Reasoning Engine

ADM delivers unified observability across pipelines, infrastructure, users, and cost — not as isolated dashboards, but as a connected system of agents working together to detect and explain what matters.



Context-Aware Anomaly Detection & Remediation

Driven by AI Agents

Agents continuously interpret metadata, patterns, and policies to identify anomalies across multiple dimensions — then resolve issues proactively before they reach production or impact AI outcomes.



Converged Intelligence & Policy Automation

Activated via Business Notebook, Workflows and BYOLLM

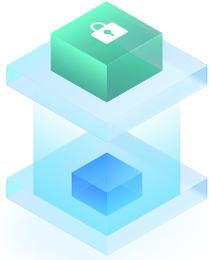
Through a natural-language interface, teams can define intent — and agents convert business policies into enforceable, adaptive rules. Governance shifts from static enforcement to dynamic control, embedded directly into the data lifecycle.



End-to-End Lineage & AI Assurance

Orchestrated by xLake + AI Agents

ADM auto-discovers dependencies, visualizes lineage, and identifies root causes with full traceability from source to consumption. Enterprise teams can build and deploy custom agents to fit unique environments and recovery workflows.



Integrated Data Governance & Catalog

Enabled by Autonomous Workflows

ADM enables compliance workflows for policy enforcement, and governs consistently across clouds with data sovereignty. It validates the data behind AI models—monitoring drift, tracing lineage and impact, and certifying accuracy—so AI is explainable, lower-risk, and trusted by stakeholders.



Cost Optimization & Cross Cloud Management

Guided by AI Agents + Configurable via Agent Studio

ADM learns workload patterns, correlates performance with spend, and forecasts usage to rightsize resources and prune redundant pipelines. Cross-cloud tools unify visibility across AWS/Azure/GCP/on-prem and automate optimal data placement—turning ADM into an intelligence layer that maximizes ROI without sacrificing performance.

Together, these capabilities transform ADM from a data platform into an enterprise intelligence system — one that senses, reasons, and acts with precision across your entire data landscape.

✦ **Business Outcomes for Data & AI Leaders**

With ADM, every team across the data value chain wins — from engineering and ops to governance and AI.



Faster AI Deployment

Certified, trusted data feeds production models with confidence and speed.



Operational Resilience

Proactive remediation by agents reduces downtime and improves SLA adherence.



Efficiency at Scale

Smart workload tuning and predictive cost control reduce cloud waste by up to 40%.



Always-On Compliance

Governance guardrails and audit trails are embedded in every layer.



Enterprise-Wide Trust

From ingestion to insight, every decision is explainable, trackable, and safe for data and AI.

See the Change. Measure the Impact.

The difference isn't just noticeable — it's measurable. ADM transforms how you govern, optimize, and deliver data that powers AI.



Before ADM	With Acceldata ADM
⊗ Inconsistent Quality	✔ Trusted Data Certified at Source
⊗ MTTR = Weeks	✔ Self-Healing Pipelines, RCA in Minutes
⊗ Policy Enforcement Lag	✔ Automated Governance with Live Policy Reasoning
⊗ Blind Lineage	✔ Full Lineage from Source to Consumption
⊗ Runaway Costs	✔ Agent-Driven Forecasting & Circuit Breakers (30–40%)
⊗ Risky AI Deployments	✔ AI Assurance with Context-Aware Explainability

From fragile to fail-safe — ADM makes your KPIs intelligent, responsive, and trusted.



Prebuilt agents for your compliance needs.



Immutable governance with versioned policies + audit trails.



Privacy-by-design in contextual memory and actions.

This is how trusted AI happens — with continuous memory, real reasoning, and always-on control.

Ready for Trusted Data? Let's Talk.

Agentic Data Management (ADM) is an AI-powered, autonomous platform that continuously detects, understands, and resolves data challenges across your enterprise ecosystem. In a world where AI models are built daily and decisions are made in milliseconds, trusted AI doesn't come from more dashboards or manual tickets — it comes from continuous semantic memory, real-time policy reasoning, autonomous remediation, embedded governance, and explainable lineage from source to consumption. ADM transforms data operations from reactive troubleshooting into intelligent, self-optimizing systems — ensuring your data is always reliable, governed, and ready to power AI at enterprise scale.

See Product Tour →

www.acceldata.io

