Informatica from salesforce

Infographic

5 Ways Fragmented Data Blocks Agentic AI and How to Fix It

Agentic AI projects are hitting the same wall: fragmented data. Discover how to eliminate data silos and build a unified, AI-ready data ecosystem for autonomous agents.

The AI Reality Check

33%

of enterprise software applications will include agentic AI[1]

80%

of companies report data limitations as a primary barrier to scaling agentic AI

5 Data Roadblocks and Proven Fixes

1 Wasteful LLM Spend and AI Tokenomics

The Hurdle
Organizations must balance cross-domain autonomy with AI tokenomics, or the way AI consumption is metered, attributed, and connected to business outcomes.

The Fix
Control large language model (LLM) costs by ensuring agents receive the right data and context from the outset. Without it, agents guess, hallucinate, and burn tokens without delivering value.

2 Brittle Data Pipelines and Aging Systems

The Hurdle
Legacy pipelines struggle to support real-time data access and outdated governance frameworks lack the data lineage tracking required for production-grade AI.

The Fix
Replace fragmented on-premises systems with modern cloud architecture to consolidate your data infrastructure, eliminate redundancies, and create the conditions for AI to operate at scale.

3 Developer Context-Switching and Bottlenecks

The Hurdle
Developers and architects need to close the manual process gaps that exist between locating datasets, evaluating data lineage, and resolving broken data pipelines.

The Fix
Adopt headless architecture to eliminate platform-hopping and context-switching friction, democratize development, and build custom agents natively from preferred coding environments.

4 Heavy Manual Maintenance and Time Traps

The Hurdle
Limited IT resources are trapped maintaining legacy pipelines and burning hours on repetitive daily tasks.

The Fix
Automate manual tasks such as data discovery, cataloging, and schema drift detection – offloading up to 80% of repetitive daily work to AI agents.

5 Bad Data and Hallucinations

The Hurdle
Incomplete, inaccurate, and inconsistent data leads to unreliable AI results that hurt business performance.

The Fix
Deliver AI-ready data with context maps to restrict searches to certified sources, eliminating hallucinations and keeping agents focused on trusted data.

Real-World Impact: Driving Measurable ROI

See how leading enterprises use a modern data management platform, powered by Informatica, to overcome data hurdles and lead in the AI era.

Rabobank

Rabobank modernized its on-premises finance data domain to the cloud with Informatica, SAP, and Cognizant.

- 700+ mappings migrated on time
- Simplified data landscape with improved efficiency and productivity
- Lowered costs for data platform infrastructure
- Built an AI-ready data foundation

> **Data is the fuel for innovation in the bank and this injection is necessary for making the next step with AI."**

Leo Diepstraten
Head of Risk & Finance Tech, Data Foundation

labcorp

Labcorp moved from on-premises to cloud-native architecture with Informatica Intelligent Data Management Cloud™ (IDMC).

- 100% transition from legacy ETL to IDMC
- Enabled near-real-time data sharing for clinical trial sponsors
- Developed a consolidated external portal that provides clients real-time study visibility
- Integrated AI-enabled capabilities for data extraction, quality, and workflow optimization

> **Modernizing our data ecosystem with Informatica is essential to staying competitive and enables us to establish strategic partnerships with our clients to deliver value-added, data-driven insights."**

Patrick Taylor
Executive Director, Global Data Solutions

Scale agentic AI with trusted data.

Learn more

Source: **Informatica, The Agentic AI Era: Why Fragmented Data Is Your Biggest Blocker, 2026**

[1] Gartner, "Use This Checklist to Ensure Your Data Is Ready for the Agentic AI Era," August 2025.
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About Informatica

Informatica from Salesforce is a leader in AI-powered enterprise cloud data management. Its Intelligent Data Management Cloud (IDMC) platform enables organizations to connect, manage and unify AI-ready data across the enterprise. With capabilities spanning data cataloging, integration, governance, quality, privacy, metadata management and master data management, Informatica supports a broad partner ecosystem and helps customers unlock the full value of their data and AI initiatives.

About Salesforce

Salesforce is the #1 AI CRM, empowering companies to connect with their customers in a whole new way through the power of artificial intelligence, data, and trust. For more information about Salesforce (NYSE: CRM), visit: www.salesforce.com

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