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Infographic

The Evolution of AI and Agentic Data Management: Key Milestones Over Time

Artificial intelligence (AI) has come a long way, changing the way companies work, connect with customers and handle everyday tasks. This timeline breaks down the key steps that got us here and what's driving the next big shifts in AI and agentic data management.

Charting the Rapid Rise of AI

Predictive Era

AI integrated in SaaS/application UX for completions and recommendations

2000 – 2023

Automated Recommendations
Greater efficiency, accuracy and cost savings

Predictive Forecasting
Stronger supplier negotiations and inventory optimization

Personalized Marketing Recommendations
Higher customer engagement and conversion rates

Generative Era

Chatbots and copilots embedded in SaaS UX for answering natural language queries with in-app context

2024 – 2025

Chatbots and Copilots
Smarter customer service operations

Code Generation, Correction and Refactoring
Faster software engineering productivity

Agentic Era

Human-in-the-loop AI agents for autonomous enterprise operations

2026 – Beyond

AI Agents
Sharper autonomous enterprise operations

Better product design and development processes

Quicker innovation

Smoother shift from Software-as-a-Service to Service-as-a-Software

CLAIRE: The Future of AI for Data Management

Step into the next era of agentic data management powered by CLAIRE®

Manual

- Code — SQL/Python
- No-code
- Manual data cataloging and governance
- Manual quality and observability checks

Predictive AI

- Data classifications
- Intelligent transformation recommendations
- Entity matching
- Relationship discovery

Conversational AI

- CLAIRE GPT
  - Data discovery
  - Metadata exploration
  - Data exploration
  - Data quality and master data management
  - ELT pipeline creation
  - Natural language copilot

AI Agents & Ensembles

- End-to-end complex data management tasks
- Goal-oriented agents (acting on behalf of users)
- Reasoning and planning workflows

Put AI to work with CLAIRE.

LEARN MORE

Source: **Informatica World, Journey Towards Agentic Data Management Powered by CLAIRE, 2025**

Where data & AI come to LIFE™

Informatica

Informatica (NYSE: INFA), a leader in enterprise AI-powered cloud data management, brings data and AI to life by empowering businesses to realize the transformative power of their most critical assets. We have created a new category of software, the Informatica Intelligent Data Management Cloud™ (IDMC), powered by AI and an end-to-end data management platform that connects, manages and unifies data across virtually any multi-cloud, hybrid system, democratizing data and enabling enterprises to modernize their business strategies. Customers in approximately 100 countries and more than 80 of the Fortune 100 rely on Informatica to drive data-led digital transformation. **Informatica. Where data and AI come to life.™**

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