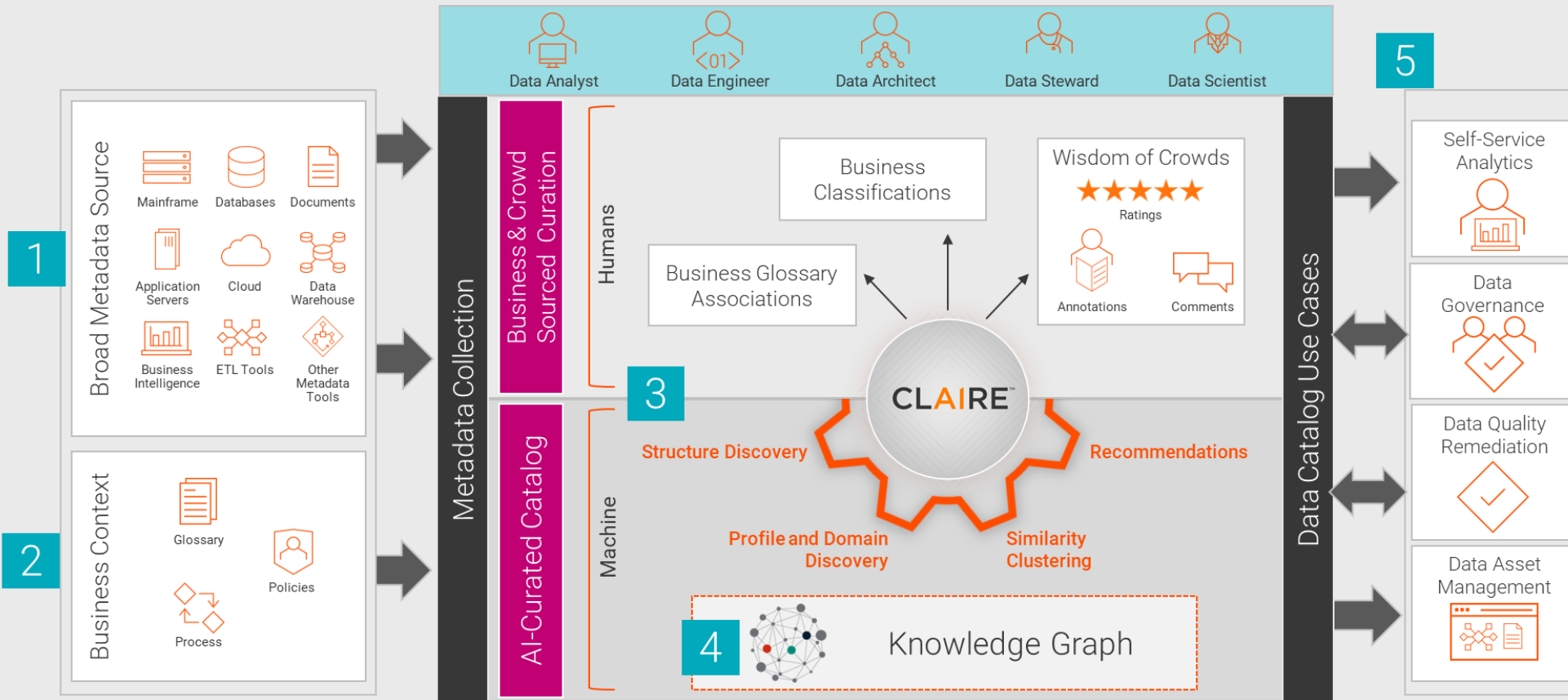


Intelligent Data Catalog

Data-driven digital transformation starts with the data catalog. An intelligent data catalog automates data discovery with AI-assisted exploration for data-driven decision-making and collaboration. At the same time, it provides a single place to collect, index, relate, annotate and consume information about data assets. Use cases include self-service analytics, data governance and data asset management.



- 1 Technical Metadata Collection –** Enable technical metadata by scanning from a broad set of metadata sources. These include legacy and modern applications, databases and cloud data lakehouses, data integration and ETL tools, business intelligence and other metadata tools.
- 2 Business Metadata Collection –** Capture business metadata using the Informatica Cloud Data Governance & Catalog service by collecting business context such as glossaries, policies, processes, stakeholders, etc.
- 3 AI Automation (CLAIRE) –** Informatica CLAIRE AI/ML engine curates this catalog information along with intelligent structure discovery (ISD) and automatically determines the underlying metadata structure and data types. Data profile and domain discovery for data classification, similarity clustering and recommendations help simplify the day-to-day tasks of a data steward.
- 4 Knowledge Graph –** This captures the complex relationships among data assets and helps discover non-obvious relationships. The knowledge graph continuously updates all data and metadata—structural, semantic, usage—flowing through an enterprise. The inference engine deduces user intentions and provides recommendations on the best way to consume data for each use case. The combination ensures that trusted data gets where it's needed at the right time.
- 5 Data Catalog Use Cases –** These include self-service analytics, data governance at enterprise scale, data quality remediation and visualization (scorecard, trend analysis, etc.) and data asset management, providing a foundational capability to manage and scale intelligent metadata across the enterprise.