

Data Driven Insights: Getting the Most Out of Your Data

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Categories: data governance, data quality, data catalog, data discovery, master data management, data access, data integration, big data, data analytics, data lineage, data engineering

The US Army requires quality data delivered quickly to users and leaders in order to drive insights across multiple data sources to ensure mission success. Whether structured or unstructured data, data at rest or data in motion, access is required across the enterprise. Manual and hand-coding approaches simply cannot scale to both manage the Army's hybrid architectures and support the many mission needs. A shared source of governed and trusted data that can serve the needs of your entire organization is necessary.

The Informatica Intelligent Data Platform (IDP) fills that demand, delivering data at scale for all users and use cases. The industry's most complete solution is also the most modular, built on a microservice architecture to ensure automated delivery of data for self-service access by people, applications, and machines. Data migration and integration, data quality, data governance, data catalog, data protection, master data management, data engineering and cloud data services are all available through Informatica.

Any data: The IDP collects data from even the most fragmented sources across complex hybrid enterprises. It connects:

- Any data type—Structured, semi-structured, and unstructured data
- Any integration pattern—Batch, real-time and streaming, or API
- Any metadata—Application-, pattern-, and product-aware
- Any source—Databases, data warehouses, applications, big data systems, IoT, social media, and so on
- Any location—On-premises, cloud, hybrid, and big data

And it transforms that data into trusted, secure, governed, accessible, timely, and actionable intelligence, enabling the intelligent digital transformation of organizations with the thorniest data challenges.

One data platform

Most importantly, the Army can use Informatica's IDP to grow and evolve at your own speed. Because it is modular, you can start with a single Informatica product or solution and add data management capabilities as your needs require.

Artificial Intelligence Built-In: The CLAIRE engine is the industry's first metadata-driven artificial intelligence to power data-driven disruption. It leverages the IDP's enterprise-wide metadata management and adds the intelligence to make intelligent recommendations, to automate the development and monitoring of data management processes, and to adapt to changes from within and outside the enterprise. CLAIRE drives the intelligence of all the data management capabilities in our IDP.

The CLAIRE engine will boost productivity across the platform by:

-Accelerating data delivery: CLAIRE automatically recognizes data types and data entities. It can also group data, relate data, and intelligently tag it for faster understanding.

-Accelerating business self-service: CLAIRE can provide intelligent recommendations to help business analysts and data scientists. It can suggest other relevant data sets to consider in their situation. It can also automatically relate business terms to technical data, making data more immediately understandable and usable.

CLAIRE provides the metadata-driven intelligence that is used across the entire Intelligent Data Platform.