Industry: Manufacturing   **Technology:** Informatica   **Use Case:** CDGC, DQ, Metadata management,

Entegris

Entegris

Data Governance foundational implementation using Informatica CDGC for Material Master domain. LumenData is helping Entegris with a unified platform for metadata management, end to end lineage, approval workflow processes and data quality management process for better decision making, improved operational efficiency and data driven business growth..

Challenge

Lack of Data Governance Framework: Entegris as a supplier to the high-tech industry, does not have a structured data governance framework in place, leading to inefficiencies in managing data assets.

Manual Data Quality Checks: Process owners currently rely on manual data quality checks using Excel, which is error-prone & time-consuming, affecting the overall quality& reliability of data.

Undefined Technical & Business Assets: There is no framework to properly define and categorize both technical & business data assets, making it difficult to manage & utilize data effectively.

Absence of Data Lineage Tracking: The company lacks a proper system for tracking data lineage, leading to challenges in understanding data origins, transformations, and impacts on downstream systems.

Unclear Data Approval Process: The approval process for data-related activities is undefined, resulting in delays and potential risks in decision- making and data handling.

Solution

➢ Helped setting up data governance framework with a single centralized metadata management repository to store & manage business metadata like business terms, systems, data quality rules etc. and established a strong association with technical metadata.

➢ Scanned and catalogued SAP ECC and Netweaver source systems using Informatica CDGC

➢ Established data lineage.

➢ Configured data profiling jobs for the continuous monitoring of data.

➢ Developed technical data quality rules & associated them to the business rules.

➢ Configured DQ score cards.

➢ Defined clear ownership and stakeholder roles at the asset level.

➢ Implemented a two-step approval workflow for metadata changes.

➢ Created custom attributes for the assets as per customer requirements.

➢ Configured dashboards to give a summary of key assets, activities and quality of data in the organization.

Outcome

Improved Data Accessibility: Configuring the source system and ingesting technical metadata has enhanced the accessibility and management of data across systems.

Consistent Terminology: Associating the business glossary with technical metadata ensures a unified understanding of terms, improving communication between teams.

Enhanced Data Quality: Implementing data quality rules on SAP tables ensures more accurate, reliable, & consistent data for decision-making.

Clear Data Lineage: Establishing data lineage provides a transparent view of data flows, improving traceability, impact analysis, & troubleshooting.

Streamlined Approval Process: The two-step approval workflow enhances control, accountability, & consistency in the data management process.

Defined Data Ownership: Defining proper ownership and stakeholder roles at the asset level ensures accountability, clarity, and improved governance over data assets.