

Case study

Creating an Enterprise Information Catalog for a Utility



Client

The client is a French multinational company involved in water management, waste management, and energy services, with wide presence in 48 countries across the globe.



Challenges

As part of its innovation agenda, the client was looking for a solution that could:

- > Offer a metadata portal which would sit on top of their existing data infrastructure, that would scan metadata from both on-premises databases, as well as the BigQuery Data Lake, and curate them in a central repository.
- > Allow business users to discover and explore data sets and data elements, and look at their profile and lineage information.



LTIMindtree Solution

LTIMindtree optimized the cost of quality by identifying the reasons for part failure. We deployed Mosaic Catalog to offer following solution:

- **Centralized business glossary** to enable indexing/ tagging data as per business definitions.
- **Enabled discovery and searchability of data** with lightning-fast results covering scanned metadata.
- **Data profiling and lineage** to offer intuitive interface to understand data definitions, attributes, content summary, structure, data lineage, and relationships.
- **Dynamic query cost predictor** to create a predictor of Google usage cost for executing any query based on the number of records the query is likely to fetch without querying the dataset.



Business Benefits

100+ coverage
of metadata scan on top
of BigQuery Data Lake

95% accuracy
in prediction of cost of
running queries on GCP

4 weeks
for complete
deployment

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700+ clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by nearly 90,000 talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit www.ltimindtree.com.