

CASE STUDY

DevOps Implementation for Leading Automotive Technology Supplier



Client

The client is a US-based global technology company that develops safer, greener, and more connected solutions that enable the future of mobility.



The Challenge

The client did not follow the Agile and DevOps delivery models for the on-premises Enterprise Data Warehouse (EDW) platform. So, it was essential to establish DevOps with the right and relevant Continuous Integration (CI)/Continuous Deployment (CD) automation tools leveraging Google Cloud Platform (GCP) native services to support their migration journey from on-premises Teradata-based EDW to GCP Cloud leveraged services, including BigQuery, DataFusion, and Composer.

LTIMindtree Solution

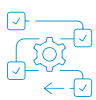
LTIMindtree is the client's project implementation partner, and we helped build a strategic data platform on GCP with automated build and release management using GCP-native DevOps services.



Established DevOps CI/CD toolchain for data work items (Queries, ETL Pipelines, and Directed Acyclic Graph (DAG) workflows) leveraging GCP DevOps services



Implemented Cloud Source Repositories, Cloud Build, and Cloud Deploy



Standardized client's release management process embedded with DevOps automation



Enabled seamless data deployment from lower to higher GCP environments through Cloud Deploy

Business Benefits

60% improvement in product release time with GCP DevOps automation

40% faster data migration from on-premises to GCP

Tech Stack

Google Cloud Platform



About LTIMindtree

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 81,000+ 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 <https://www.ltimindtree.com/>.