



Mindtree

A Larsen & Toubro Group Company



# Implemented data automation DIA and TDM solution to serve test data needs

Reduced test execution time by 50% and manual efforts by 60% by leveraging automated test data creation, data automation, TDM (Test Data Management) solution, and DIA (Data Intelligence Automation) framework



## About Client:

The client is one of the world's largest e-vapor technology company located in the UK.

## Key Challenges:



- The client was facing challenges in their data process with heterogeneous complex data sets
- The client wanted to migrate their source data from legacy sources to the Azure cloud platform

## Solution:



- Mindtree successfully built the end-to-end automation for client's data migration to the Azure cloud platform
- The main objective of the migration was to overcome the challenge of manual data validation between the source and the target post transformations and automate the end-to-end validation
- Validated the data between Azure Databricks tables and MS SQL server tables
- Performed customization where data is displayed (saved to local folder) over the screen, which is to be compared and validated
- The volume of batch data tested is ≈10K records, with each table including data quality validations and transformation rules

## Benefits:



- Achieved high productivity improvement in data quality checks with test time reduction by more than 50%
- The early automation drastically helped to identify several defects at early stages
- Achieved significant reduction in manual efforts by 60% with automated test data creation solution
- Directly connecting to Databricks and SQL Server avoided the intermediate landing of data out of premises
- Easy navigation provided to connect defects and mismatches for defect debugging
- Detailed validation report generated by RDC helped to visualize the findings effectively with visual tabular graphs

## About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company, helping enterprises marry scale with agility to achieve competitive advantage. "Born digital," in 1999 and now a Larsen & Toubro Group Company, Mindtree applies its deep domain knowledge to 260 enterprise client engagements to break down silos, make sense of digital complexity and bring new initiatives to market faster. We enable IT to move at the speed of business, leveraging emerging technologies and the efficiencies of Continuous Delivery to spur business innovation. Operating in 24 countries across the world, we're consistently regarded as one of the best places to work, embodied every day by our winning culture made up of over 32,000 entrepreneurial, collaborative and dedicated "Mindtree Minds."