Modernization of METRO’s Supplier Portal

METRO engages Mindtree for modernizing the Supplier Collaboration Platform based on microservices and micro-frontends. Mindtree as an Implementation partner responsible for architecture, design and build of the collaboration platform.

The challenge
Modernization of Supplier Collaboration Portal intends to achieve: • Fast, responsive, intuitive and rich user experience. • Increased data quality and harmonized Supplier details. • Transparent, accountable communication based on workflows to improve collaboration across Supplier and Retailer• Highly scalable solution architecture, Faster time to market & Improve standardization.

The solution
The solution leverages METRO Platform that is built using Google Cloud Platform’s services like GCE, Cloud Storage and Load Balancer along with a self-hosted Cassandra cluster, Postgres and ELK stack as Log management infrastructure. Solution uses Datadog for logging and monitoring. CICD pipelines that streamline the development and deployment processes.

The results
The solution implemented by Mindtree resulted in: •Faster, resilient & reliable systems through microservices •High availability and auto-scalability of the systems through GCP •Cloud Run enabled secure runtime & easy canary deployments •CICD enabled faster time to market & increased acceptance of the application among Suppliers •Increased collaboration due to a faster & responsive platform

METRO’s New Supplier Portal is a Collaborative Business Platform to manage processes and directing the flow of information between Metro and Suppliers to intensify cooperation and optimize shared processes with high level of self services. Insight from Mindtree and capability of GCP helped us to achieve the highly available, scalable and secured platform.