



Mindtree

A Larsen & Toubro Group Company



Migration to ***Microservices***
for a multinational
nutritional supplement
manufacturer and retailer



The challenges

The client wanted to re-architect and re-build their existing enterprise application integration layer using the channel and geo agnostic Microservices. The re-architecture is meant to build a highly scalable and loosely coupled integration landscape to connect with various retail and manufacturing applications to enable end to end seamless operations.



Our solution

Key highlights of our solution

- Domain driven design approach to re-design the application layer using Microservices, API gateways, adapters and message driven model using Spring Boot Microservices with NoSQL DB [Mongo DB] and Kafka messaging layer
- The solution was designed and built on AWS with infra as code model using CloudFormation templates
- Continuous integration using automated DevOps Jenkins pipeline with code analysis, test, deployment, and containerized deployment using docker in Amazon ECS



The results

The solution delivered the following benefits

- Improved scalability and control using API-led microservices architecture and AWS cloud native features
- The service enabled the business domains to increase the availability of entities and easy integration for business or technical needs
- Quick and cost-effective development and change cycle through automated CI (Continuous Integration) pipelines and automated environment builds using infra as code



About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company that enables enterprises across industries to drive superior competitive advantage, customer experiences and business outcomes by harnessing digital and cloud technologies. A digital transformation partner to more than 260 of the world's most pioneering enterprises, Mindtree brings extensive domain, technology and consulting expertise to help reimagine business models, accelerate innovation and maximize growth. As a socially and environmentally responsible business, Mindtree is focused on growth as well as sustainability in building long-term stakeholder value. Powered by more than 31,900 talented and entrepreneurial professionals across 24 countries, Mindtree — a Larsen & Toubro Group company — is consistently recognized among the best places to work.