

## Case Study

Greenfield AWS Setup Application Modernization Using Kubernetes for an Indian InsurTech Unicorn Backed by One of the Large Global Insurance Conglomerates

## Client

The client is an India-based general insurance company, offering a robust InsurTech platform to provide digital insurance services to its customers. This company provides a wide range of products, ranging from Health to Motor and Travel Insurance, boasting end-to-end digital customer onboarding and support across all its products.

## Challenges

- ▶ The client wanted to deploy one of their core insurance applications on AWS, as they needed quicker scaling to accommodate their exponential growth.
- ▶ They had created the microservices for the Non-ABS insurance applications, which they wanted to containerize and deploy on Kubernetes cluster on AWS.



## LTIMindtree Solutions

- ▶ This being the first cloud deployment for the client; a greenfield AWS landing zone setup was automated, establishing organization and supporting accounts.
- ▶ A complete infrastructure build was automated using Terraform scripts, which were replicable for future deployments as well.
- ▶ A microservices-based architecture, with container management using Kubernetes, CI/CD using Jenkins and Maven, and configuration management using Ansible, was implemented. The complete architecture was designed on a scalable model within auto-scaling groups, to tackle immediate spurt in the policy processing count.
- ▶ Using the implemented architecture, the client was able to scale up their processing performance by 100 times during the pandemic, for digital policy issuance.
- ▶ In addition to the continuous consulting engagement with the client and end customers for enhancements, LTIMindtree also engaged to maintain the client's environment 24x7, through its managed services offering.

## Business Benefits

**500+**

VMs  
environment  
scaled using  
new architecture

**5X**

increase in app  
performance

**20,000+**

transactions  
handled  
successfully by  
agent portal  
per day

Deployment  
time reduced  
after automation

**80,000+**

applications  
were processed  
per day, helped  
save 15% cost by  
moving to cloud

**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/>