



# A Leading Finance and Insurance Corporation Migrates to AWS Cloud to Enhance Speed to Market and Customer Claims Experience

## The Client

An American multinational finance and insurance corporation with operations in more than 80 countries.

## The Business Challenge

The client's commercial insurance database and middleware (zLinux) were hosted on a legacy mainframe application leading to a severe cost burden. In addition, the resource limitations for mainframe support and multi-vendor landscape further added to their business operations complexity. As a result, the client aimed to migrate from the legacy mainframe infrastructure and applications to AWS cloud to:

- Enhance scalability by improving on-demand access to computing and storage
- Maintain infrastructure in a more cost-efficient way
- Achieve flexibility and agility in business operations and lowering maintenance burden
- Leverage AWS managed databases (RDS PostgreSQL) and serverless technologies to achieve further savings on licenses

## The Solution

Mphasis helped the client in migrating the database to AWS to meet their business objectives. However, the migration was complex as all the tiers of applications were hosted on IBM Z900 series Mainframes and the core database on DB2 for z/OS with 9 TB of data with middle-tier servers running on zLinux. To mitigate the complexity of the heterogeneous nature of the source and target systems, Mphasis migrated the applications in 2 phases for all locations spread across six continents.

In the first phase, the database was converted from DB2 for z/OS to DB2 UDB on Linux on-premises. After that, EC2 instances were created in the next phase. The data was restored into UDB on the EC2 instances. The next step planned is to migrate to the PostgreSQL edition of Amazon Aurora.

To modernize the application and get open-source cost benefits, we converted the existing WebSphere Middleware application to microservices and Tomcat, wherever possible. About 50% conversion was done using the side-by-side migration approach. We also leveraged serverless and decoupling features for built-in high availability and a pay-for-use billing model to increase agility and optimize costs.

## Benefits

- Achieved \$9 million in cost savings in the first year. The cloud environment helped realize the benefits of adopting microservices and Tomcat for middleware.
- Reduced downtime by utilizing EBS Snapshots, saving 20% CPU overhead. It also reduced the outage to 7 seconds with traditional backups as compared to the earlier instance with a 20% burden for 12 hours during online backup.
- Improved business operational readiness and enhanced speed to market with new features in the platform to enhance customers' claims experience
- Increased adoption of claims platform by onboarding additional countries to the platform



- DevOps Services Competency
- Security Services Competency
- Financial Services Competency

- Travel & Hospitality Services Competency
- Migration & Modernization Services Competency

## About Mphasis

Mphasis' purpose is to be the "Driver in the Driverless Car" for Global Enterprises by applying next-generation design, architecture and engineering services, to deliver scalable and sustainable software and technology solutions. Customer centricity is foundational to Mphasis, and is reflected in the Mphasis' Front2Back™ Transformation approach. Front2Back™ uses the exponential power of cloud and cognitive to provide hyper-personalized ( $C = X2C^2_{m} = 1$ ) digital experience to clients and their end customers. Mphasis' Service Transformation approach helps 'shrink the core' through the application of digital technologies across legacy environments within an enterprise, enabling businesses to stay ahead in a changing world. Mphasis' core reference architectures and tools, speed and innovation with domain expertise and specialization, combined with an integrated sustainability and purpose-led approach across its operations and solutions are key to building strong relationships with marquee clients.

[Click here](#) to know more. (BSE: 526299; NSE: MPHASIS)

For more information, contact: [marketinginfo.m@mphasis.com](mailto:marketinginfo.m@mphasis.com)

**USA**  
Mphasis Corporation  
41 Madison Avenue  
35<sup>th</sup> Floor, New York  
New York 10010, USA  
Tel: +1 (212) 686 6655

**UK**  
Mphasis UK Limited  
1 Ropemaker Street, London  
EC2Y 9HT, United Kingdom  
T : +44 020 7153 1327

**INDIA**  
Mphasis Limited  
Bagmane World Technology Center  
Marathahalli Ring Road  
Doddanakundhi Village, Mahadevapura  
Bangalore 560 048, India  
Tel.: +91 80 3352 5000

