



Improved scalability and performance by migrating on-premise Hadoop and Netezza platforms to AWS Redshift and AWS Data Lake for Mercury Insurance

Client Overview

Founded in 1961 and headquartered in Los Angeles, Mercury Insurance is a multiple-line insurance organization offering personal automobile, homeowners, renters, and business insurance. It has assets in excess of \$ 5.9 billion, employs 4,000+ people and has more than 9,400 independent agents.

Business Goal

Mercury Insurance wanted to enable quicker business decisions based on analytics. Owing to its complex Hadoop and Netezza platforms, the client wanted a solution to expand its Data Warehouse to address scalability and performance issues.

Solution

Microland performed a TCO analysis of various solutions available for optimizing the output based on reusing licenses, right-sizing storage by data type & usage to reduce associated costs and the potential savings generated by migrating to cloud.

The cost of licensing and EOL for Hadoop along with the scalability and performance issues in the current environment made it difficult for additional data warehouse expansion on-prem. To address this, Microland zeroed in on migrating the existing IBM Netezza Data Warehouse to AWS Redshift and Hadoop to AWS Data Lake.

Customer Speaks

"Microland is assisting Mercury Insurance with the migration to AWS for business intelligence and data science apps and environment support and has proven to be an excellent partner with the expertise in the technical support that they have been providing."

- Jian Huang, Director (Systems Engineering), Mercury Insurance



- **40TB** of compressed data migrated
- **70%** performance improvement
- **100%** reduction in downtime

Business Outcomes

1. Migration of 40TB of compressed data
2. 70% performance improvement as compared to Netezza
3. Data query in less than a minute for limited datasets
4. Quick analytics by having data in AWS cloud
5. 100% reduction in downtime and maintenance time required

About Microland

Microland's delivery of digital is all about making technology do more and intrude less. As we help enterprises move to next-gen technologies, we make sure this embrace of brilliance is predictable, reliable, and stable. Incorporated in 1989 and headquartered in Bangalore, India, Microland is comprised of more than 4,500 digital specialists across offices and delivery centers in Asia, Australia, Europe, Middle East and North America.