

**CASE STUDY**

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**Transforming Insurance:  
Unveiling Big Data & BDAP  
for Global Transformation**

## Client profile

Our client, a multinational insurance company, operates across the entire insurance value chain—from reinsurance to primary insurance and risk solutions. With a presence in over 160 countries and serving over 4,000 corporate clients, their reinsurance group boasts €48.1 billion in gross premiums.



## Business challenges

**01**

Disparate systems across client sites lacked operational control and monitoring capabilities, resulting in data silos, inconsistencies, and high costs.

**02**

The absence of a single source of truth resulted in data quality issues and reporting inconsistencies, hindering decision-making.

**03**

Limited reporting capabilities and inadequate support for legacy systems hindered complex data analytics and business intelligence needs.

**04**

Scaling up existing infrastructure and lacking central data governance for legacy data warehouses compounded operational inefficiencies.

## LTIMindtree solution

- 01** | LTIMindtree helped map solutions to the big data and analytics platform (BDAP), automated infrastructure provisioning, and designed reference architectures for solution architects.
- 02** | Key advantages of the data platform include:

Developed metadata ingestion frameworks, logging frameworks, and transformation logic using Azure and Databricks for improved data processing.

Implemented data quality checks and processes for batch and stream data using Delta live tables, ensuring consistent and reliable data.

Addressed technical queries related to Azure and Databricks and actively participated in Unity Catalog migration and validation activities.

## Business benefits



Delivered curated data for business users, establishing a single source of truth for critical business operations such as financial reporting and policy management.



Implemented a scalable, agile, and simplified architecture aligned with data governance practices, fostering a data-driven culture and ensuring data security and auditability.



Addressed out-of-support hardware and software components associated with legacy systems such as Exadata.



Ensured integrity through quality measures and lineage tracking across the data environment.



Reduced redundancies with modern reporting platforms, streamlining operations and enhancing decision-making capabilities.

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