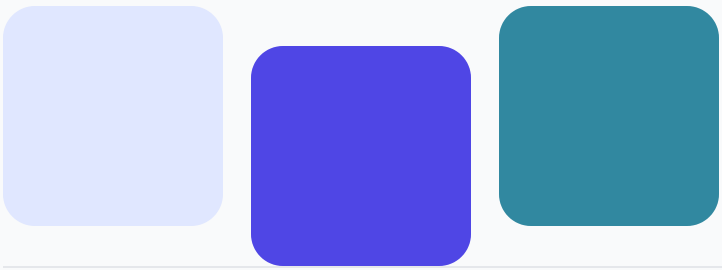
INSURANCE & FINANCIAL SERVICES · TEST DATA MANAGEMENT

How a global insurer protects sensitive data in non-production environments — without breaking downstream functionality



EXECUTIVE SUMMARY

A leading global insurer, with multiple lines of business, required a consistent way to protect production data before it entered test, QA, UAT, and training environments. An existing solution had already been deployed, but it broke downstream systems, distorted geographic and relational attributes, and disrupted relationships between tables.

CUSTOMER AT A GLANCE

Industry: Insurance & Financial Services

Global Footprint: 11 countries

Employees: ~37,000

AUM: $1.4 trillion

Data Ecosystem: Hybrid (cloud, on-prem, mainframe, legacy, SQL)

Regulatory Landscape: Privacy, PCI, data residency

Serving 36 million policyholders across insurance, benefits, wealth, and banking, the customer selected DataStealth to deliver a Test Data Management (TDM) platform that removes identifiable information without compromising integrity, structure, or usability.

THE IMPLEMENTATION

DataStealth was deployed between production and non-production environments, protecting sensitive data with a combination of tokenization, encryption, and masking as data moved from production into lower-level environments — spanning structured databases and a wide range of system files (mainframe, copybook, CSV, database exports) over SFTP and FTPS.

POLICY APPLIED BY FIELD TYPE

Name	Tokenize (Format Preserving)
Address	Tokenize (Format Preserving)
Payment Card Number	Encrypt (AES-256) / Tokenize (preserve first & last 4)
SSN / SIN	Mask (preserve first digits)

DataStealth generated repeatable output across every database, file, and application, so protected data maintained referential integrity, geographic accuracy, format consistency, and downstream functional behaviour.

THE SOLUTION

Instead of relying on teams to clone production datasets and apply scripts after the fact, DataStealth protects data in transit while moving from production to non-production — no unprotected information ever reaches test, QA, UAT, or training systems.

1. DataStealth reads data directly from production sources — SQL databases, mainframe extracts, file-based feeds.

2. Protection is applied in transit, using rules from the discovery and analysis phase.

3. Only protected, non-identifiable data is delivered into the target environment.

REFERENTIAL INTEGRITY

Customer IDs, account numbers, and transaction references continue to match and connect correctly across core policy, billing, and claims systems. Addresses remain in the correct geographic region, dates of birth stay realistic (same month/year, shifted day), and dependent/beneficiary linkages are preserved.

Databases, Files, and Production-Accurate Environments

Databases

Supports all production SQL databases — policy, billing, benefits, and claims systems containing billions of records — protected in-flight during transfer, with no additional staging databases or licenses required.

Files

Mainframe, copybook, and batch exports are protected in real time during the usual SFTP transfer — batch processes and multi-system pipelines remain fully functional.

Production-Accurate Test Environments

UAT and QA environments behave exactly like production — with one exception: the data is not real data.

Benefits Delivered

Elimination of Script-Based Overhead

Centralized protection rules remove a major operational burden from resource-constrained teams.

Faster Expansion Across Business Units

New teams onboard through configuration, not custom development.

Data Sovereignty & Residency

Protection applied in-region before international teams access data — sensitive clear-text data never leaves the home region.

Reduced Operational Risk

A predictable, repeatable TDM process that scales with the business.

See how data protection works in a real deployment

Book a demo and walk through your exact use cases. Our team will show you how in-flight protection eliminates manual scripts, how integrity is preserved across all your systems, and how fast new business units can onboard.

Schedule a Demo