

INSURANCE AND FINANCIAL SERVICES

Protecting non production data without breaking downstream systems

How a global insurer protects sensitive data in test, QA, UAT, and training environments while preserving integrity, structure, and usability.

SECTOR **INSURANCE AND FINANCIAL SERVICES**

CAPABILITY **TEST DATA MANAGEMENT**

FOOTPRINT **11 COUNTRIES**



01 · EXECUTIVE SUMMARY

A previous solution broke the data

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

ATTRIBUTE	DETAIL
Industry	Insurance and financial services
Global footprint	11 countries
Employees	Approximately 37,000
Assets under management	\$1.4 trillion
Data ecosystem	Hybrid: cloud, on premises, 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 platform that removes identifiable information without compromising integrity, structure, or usability.

02 · THE IMPLEMENTATION

Protection applied as data moves

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.

FIELD TYPE	POLICY APPLIED
Name	Tokenize, format-preserving
Address	Tokenize, format-preserving
Payment card number	Encrypt (AES 256) or tokenize, preserving first and last four
SSN and SIN	Mask, preserving 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.

03 · THE SOLUTION

Protect in transit, never after landing

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, so no unprotected information ever reaches test, QA, UAT, or training systems.



- DataStealth reads data directly from production sources: SQL databases, mainframe extracts, file based feeds
- Protection is applied in transit, using rules from the discovery and analysis phase
- 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 and year, shifted day), and dependent and beneficiary linkages are preserved.

04 · COVERAGE

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 licences required.

Files

Mainframe, copybook, and batch exports are protected in real time during the usual SFTP transfer, so 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.

05 · BENEFITS DELIVERED

What changed for the business

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 and residency

Protection applied in region before international teams access data, so 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.

- No unprotected copy ever lands
- Referential integrity preserved
- In region protection for residency
- Onboarding by configuration

[Schedule a Demo](#)