

CASE STUDY

Data Compliance International Bank



Client

One of the top financial institutions in the Asia Pacific region providing financial services such as investment, superannuation, retirement income products, investment platforms, financial advice, and private and commercial banking.

Top 50
Global bank

\$20B
Revenue

100+
Programs per year

\$250M+
Annual IT spend

1000+
Platforms

Billions+
PII* Data Points

**Personally Identifiable Information*

Overview

At time of engaging enov8, this large financial institution was managing its Non-Production data, consisting of 1000s of heterogeneous databases, with somewhat “traditional Test Data Management (TDM) methods”.

Methods characterized by (a) manual risk profiling, (b) engineering of complex masking routines, (c) manual validation testing to ensure integrity and compliance and (d) the use of spreadsheets for governance i.e. to track and coordinate deployment, usage and contention.

The outcome of this somewhat federated and traditional approach was complex operations, disruption due to human error, projects delays and ultimately the delivery of data that wasn’t guaranteed to be PII/GDPR compliant, healthy or fit-for-purpose, thus impacting on project delivery cycles and release quality.



“Enov8 has provided us end-to-end visibility of our project test data. We have gone from total blindness to understanding where our risks reside and remediating them rapidly.”

Key Challenges:

- A complex IT landscape
- Billions of PII* data points
- Dependent on specialist for remediation
- Non-Agile* Date Deployment & Quality Issues
- Projects delays due to data not being “Fit for Purpose”
- Risk of Brand damage through “privacy” / security incidents.
- Risk of Severe Regulatory / Compliance Penalties e.g. GDPR.

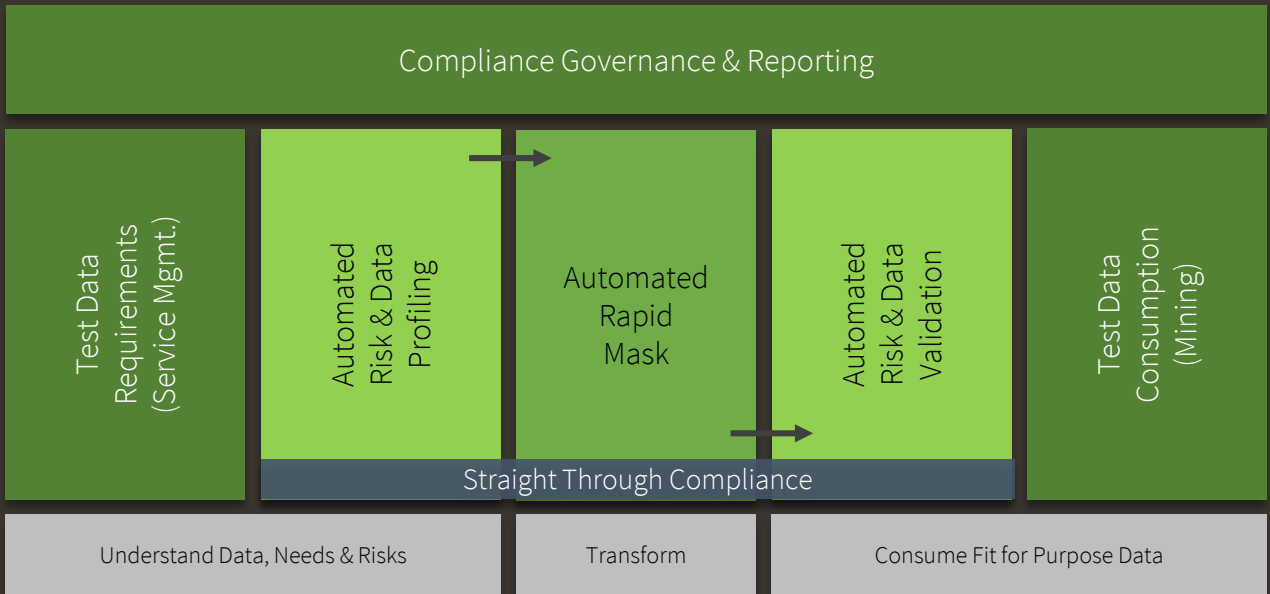
***On average each platform took 8-12 weeks to remediate!**

Typically:

- 2-3 Weeks of platform analysis (profiling)
- 4-8 Weeks remediation (mask) engineering
- 2-3 Weeks of test / validation exercises

Solution

To implement a Holistic Test Data Management factory that fully automates all key steps in the Test Data Lifecycle and provides end-to-end visibility for purpose of analytics, decision making & continuous improvement. Improvements that will drive process simplification, quality of data, project streamlining and ensure information privacy obligations are met.



**Holistic Test Data Management Framework.*

In collaboration with Enov8, the bank implemented a Holistic Test Data Management Framework (refer diagram) to cover all aspects of Test Data Management.

A Data Factory, built upon Enov8 “Data Compliance Suite” (DCS), that was consumable by all teams.

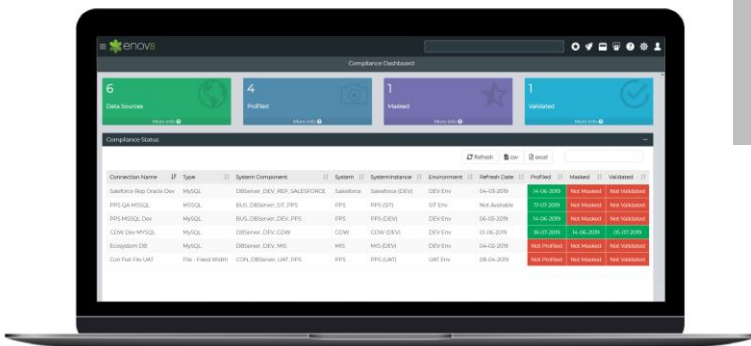
A solution that delivered production-like data across DevTest and better standardized operations, automated operations & met data security objectives.

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‘By the end of the programme Enov8 had delivered a “Straight Through” & “Hand-Off” Data Compliance solution. Think CI/CD for Data Privacy.

As soon as the production data hit the “Gold” (staging) area it was being profiled for PII risks, going through PII remediation and then being instantly validated. Our effort went from about 3 months a platform to a few days per platform.”

Head of Application Development.

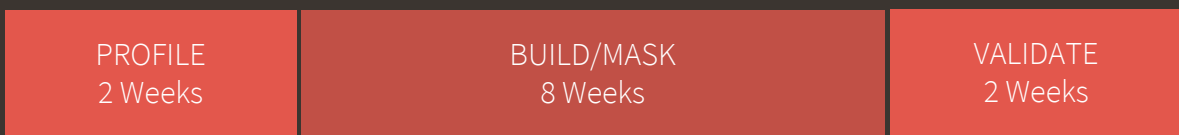


Key Outcomes

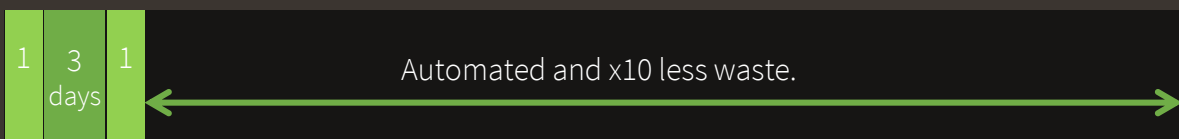
Value streaming of the End-to-End Data Compliance process.

- Enterprise visibility of Data Risks & Compliance Status by Team & Platform
- Profiling i.e. Profiling was reduced to 1 day (from 2 weeks)
No need for 100s of Platform experts to analyse & workshop.
- Remediation i.e. Build & Masking reduced to 3 days (from 8 weeks)
No need for heavy/manual Data Engineering services.
- Validation i.e. Compliance Validation/Testing was reduced to 1 day (from 2 weeks)
No need for testing teams to painfully verify PII removed.

✘ Traditional Manual Data Methods



✔ New DevSecOps Data Methods



Business Value

Lowered total cost of ownership through Automated Operations, displacement of a large legacy Test Data Management team (as tasks could now be self-served) and improved enterprise visibility leading to rationalization of the Non Production Data footprint.

Wins in 12 Months:

- PII Compliance: Enterprise wide confidence
- Reduced Data Footprint: Data Infra/License reduced by 20%
- Lean Data Team: Reduced from 14 to 4
- Better Testing / Quality: 10% less waiait (delays / work-arounds)
- Penalty Avoidance: Up to \$4B (20% of Revenue).

Return on Investment

- Savings of 20% of Project DevTest Cycle costs (Est \$16M pa)
- Reduction in Traditional TDM Engineering Services (Est \$5M pa)