

CASE STUDY

Large Bank Holistic Test Data

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.

Region

Asia-Pacific

Stats

100+

IT Programs per year

1000+

Data Sources &
Business Processes

100%

Increase on test data
visibility & compliance

Client

At time of engaging enov8, this large financial institution was managing its Non-Production data, consisting of 1000s of heterogeneous databases, with somewhat “traditional TDM methods”. Methods characterized by (a) manual risk profiling, (b) creation 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.

Key Challenges:

- Complexed IT Landscape
- Heterogeneous Data Sources
- Data Quality Issues
- Low Confidence on Compliance
- Heavily reliant on specialists
- Very slow moving (non-agile)
- Customers (DevTesters) couldn’t easily find “useful” data after deployed
- Data Contention i.e. data related defects as teams contend for same data
- Manual Processes & Reporting



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

On average each Data Source was taking 8-12 weeks to remediate & provision.

Typically:

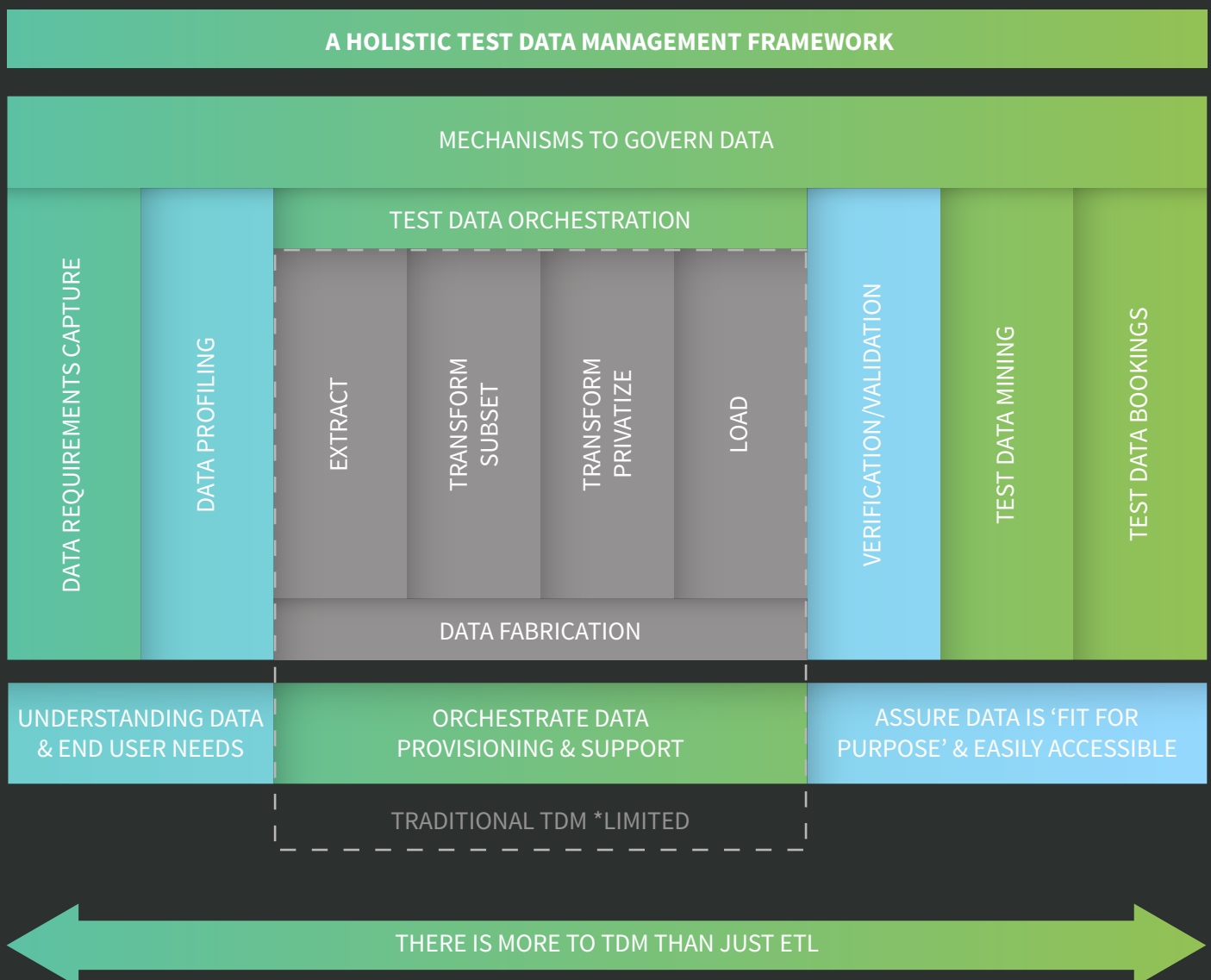
- 2-3 Weeks Profiling
- 4-8 Weeks Mask Engineering
- 2-3 Weeks Validation

Solution

To implement a Holistic Test Data Management factory that fully automates all key steps in the Test Data Lifecycle (refer HTDM diagram) 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.



“Delivery of data was taking too long and even after ‘successful’ delivery we had problems. The Developers & Testers were struggling to find “fit for purpose” data that would support their dev-test-cycles. And engineers would easily spend days trying to source the correct end-to-end data to support their test cases. Only then to find out the data was being used by someone else or worse still broken i.e. lacking E2E integrity. All in all, I estimate Data impacted test-cycle productivity by 20%”. - **Head of Application Development**



“In collaboration with Enov8, the bank implemented a Holistic Test Data Management Framework (refer diagram) to cover all aspects of Test Data Management. This was based on implementation of DataHotSpot for automated profiling & validation, DataHotSpot RDM (Rapid Data Mask) for automated creation and execution of the masking routines and DataView as an overarching Governance platform that supported centralized Data Requirements Management, Test Data Mining and Booking Management.”



“We more or less delivered a ‘CI/CD framework’ for Data. The whole solution was automated. As soon as the production data hit the staging area it was being profiled, was going through obfuscation and then being validate. The actual human effort was reduced to about 10%. - Head of Application Development



Key outcomes

By the end of a 6 month roll out, the client had a factory model that returned the following benefits:

Visibility

- Management: Full visibility of all enterprise data & compliance status
- Management: Full visibility of where all PII risks reside
- Engineers: Self-Service Data Mining capability (finding data now took minutes, not days)

Operations Automation

- Automated Profiling: Profiling was reduced to 1 day (from 2 weeks)
- Automated Build & Mask: Build & Masking reduced to 3 days (from 8 weeks)
- Automated Validation: Compliance Validation was reduced to 1 day (from 2 weeks)

ROI

- **Estimated savings of 20% of DevTest Cycle costs (\$16M pa)**
- **Reduction in Traditional TDM Engineering Services (\$5M pa)**

About Enov8

Enov8 is an innovative & world leading IT & Test Environment company. Our mission is to help organisations better understand their Computer Systems & IT Environments with the intent of uplifting transparency, improving operations, reducing disruption, streamlining IT project delivery and optimizing IT costs.