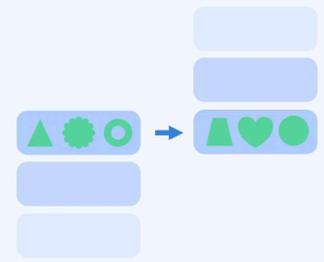# Synthetic Data

Fast, compliant, realistic test data when you need it.

Powered by AI

The challenge

Modern software testing demands comprehensive, varied datasets that capture real-world complexity. Yet traditional approaches create significant obstacles:

- Manual data preparation consumes valuable team time and slows delivery cycles
- Anonymised production data introduces compliance risks and costly operational overhead
- Limited test coverage fails to capture critical edge cases and future scenarios
- Static datasets become outdated as systems evolve, requiring constant maintenance

These challenges force organisations to choose between comprehensive testing and manageable costs. A choice that shouldn't exist.

Our solution to the test data problem

2i's AI-powered Synthetic Data Generation Service transforms how organisations approach test data. We generate fully compliant, realistic test data that evolves with your needs, giving you the control, pace, and assurance to deliver thorough testing without the risks and limitations of traditional approaches.

Analyse   **Generate**   **Review**   **Automate**   **Monitor**

The result?

- **Millions of test records generated in minutes** – eliminating weeks of manual data preparation
- **Minimised compliance risk** with fully synthetic, GDPR-compliant test data by design
- **Comprehensive edge case coverage** testing scenarios traditional data cannot address

By delivering AI-powered synthetic data generation, our solution accelerates testing cycles, reduces privacy concerns, and enables thorough validation without the costs and risks of traditional test data approaches.

Customer impact

2i's Synthetic Data solution is helping leading organisations across financial services, government, and enterprise technology eliminate data preparation bottlenecks, minimise compliance risk, and achieve comprehensive test coverage without the operational overhead of traditional approaches.

"With 2i's guidance, we now have a clear roadmap for implementing the right synthetic data solution for our specific needs, saving us from investing in an approach that wouldn't have delivered the accuracy we require."

Data Manager, UK Government Agency