




curiosity

Test Data

Automation

Deliver Quality and Compliance at
Speed with the all-in-one
Data Platform.



Learn more at curiositysoftware.ie

© Curiosity Software Ireland



Key Benefits

Test Data Automation is a complete solution to your enterprise test data challenges, from compliance risks and skyrocketing storage costs, to testing bottlenecks and damaging production bugs.



Save 20+% of Test and Development Time

Replace the time that testers and developers waste waiting for, finding and making complex test data.



Minimise Infrastructure Costs

Virtualise and provision the smallest possible data set needed in development, while creating reusable test data jobs to reduce strain on Ops teams.



Minimise Bug Creation and Remediation

Create data to test and develop against every positive and negative scenario, avoiding production defects and finding bugs while they are quick to fix.



Sidestep Costly Compliance Risks

Use highly realistic, fake data in less-secure non-production environments, avoiding the risk of legislative non-compliance and hefty fines.

Key Features

Test Data Automation provides a comprehensive test data toolkit, with flexible capabilities to suit every use case. It's ever growing set of integrated activities include:



Profiling & Definition

Identify sensitive data, gaps and relationships in your data. Leverage data profiling, visualisations, ML probability analysis, comparisons, and more!



Data Generation

Four techniques create every data combination you need. Use 500+ functions, data modelling, AI pattern analysis and combinatorial generation.



Data Masking

Automatically identify and replace sensitive data before it reaches non-production, while retaining the referential integrity needed in testing.



Data Subsetting

Extract the smallest data set needed to retain data relationships and variety, or "rightsize" data for specific test case scenarios and user stories.



Virtualisation & Cloning

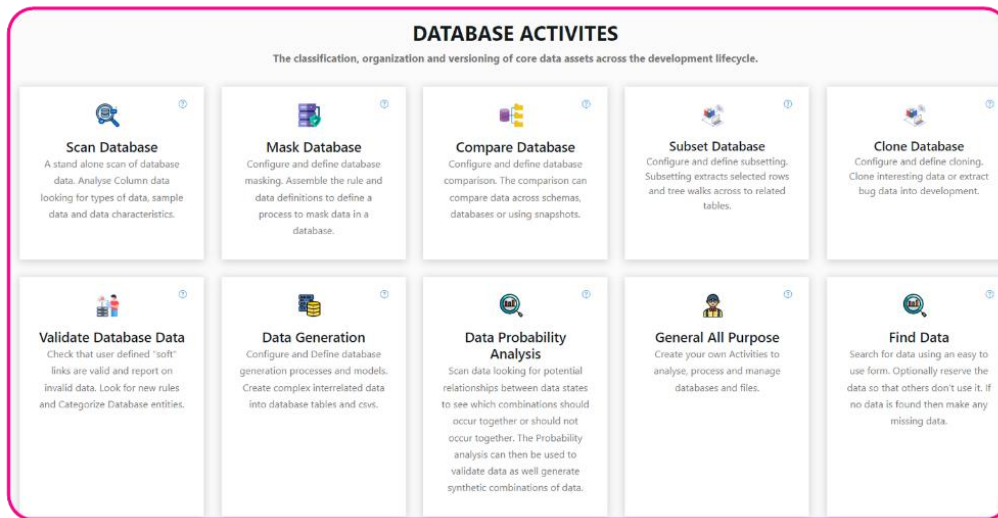
Copy data at a fraction of the time and cost of storing physical copies, with version control and cloning to provide parallel, on demand data access.



Self-Service Data

Parallel testers, developers, and CI/CD tools create the right data on-the-fly. Introduce reusable jobs, self-service forms, data reservation, resolvable lists, and more!

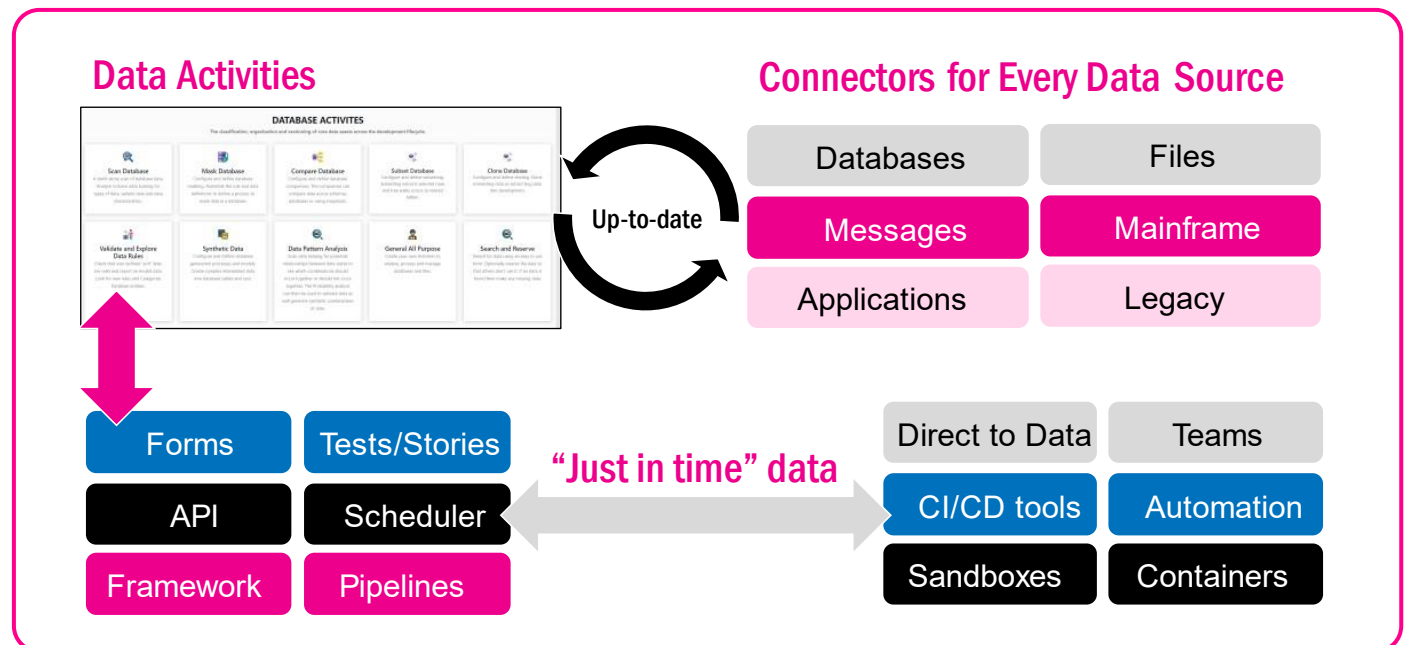
Test Data Automation



Test Data Automation's flexible range of test data activities are easy to set up and reuse in a central web portal.

Data engineering begins by understanding your data, paying off technical debt and building the definitions needed to create accurate test

data. Profiling, validation, machine learning and more identify data coverage gaps to fill, alongside the location of sensitive information, and relationships to fulfil in test data.



Test Data Automation then creates concise data for every test scenario, free from compliance risks. Masking anonymizes data without breaking referential integrity, while subsetting shrinks data without losing variety. Multiple synthetic data generation techniques create the missing combinations needed to test rigorously and deliver quality software at speed.

Every test data job is parameterizable and reusable on demand. Testers, developers and automation frameworks can use web forms and connectors to self-serve the data they need. Find and Makes provide complete data on-the-fly, while reservation, virtualization and cloning ensure parallel data access.

Enterprise Success

Test Data Automation is today helping some of the world's largest enterprises slash the time and costs associated with delivering quality software.



A FORTUNE 100 FINANCIAL SERVICES COMPANY

REDUCED DATA PROVISIONING
TIME FROM 1+ DAYS, TO SELF-
SERVE

On demand subsetting and generation provide parallel testers and developers with fit-for-purpose Postgres and SQL Server data.



A TOP 10 CENTRAL BANK

SAVED 97% OF INITIAL DATA
CREATION COSTS AND MAINTAINED
DATA 1400X FASTER

Model-based data generation rapidly created SWIFT (XML) messages needed to prepare the bank for a new message standard.



A GLOBAL 2000 FINANCIAL SERVICES COMPANY

REPLACED 1-5 DAY DATA
PROVISIONING WITH SELF-SERVICE
DATA

Self-service find and makes hunt for data in mainframes and RDMS, making missing values to fulfil variety and volume requirements.



A GLOBAL 2000 SOFTWARE VENDOR

MOVED FROM 100S OF ROWS OF
TEST DATA TO MILLIONS

Data generation creates data that accurately mirrors enterprise use of an AI system, allowing rapid testing and bug reproduction.

Key Differentiators

A Complete Data Platform



Test Data Automation is not a point solution for masking, subsetting or generation. It offers an ever-growing, integrated set of data activities. You only need to license and learn one tool.

Partner with Test Data Leaders



Our expert team have pioneered test data technologies since 1995. We want to partner with you to solve the test data challenges that no-one else can.

Sustainable Licensing



Licensing by data source, activity and user ensures that you only pay for what you need. Don't get locked into wasteful portfolio licenses!

New Functionality



We remain committed to Research and Development, bringing the tools, performance, and connectors you need.

Extensive Data Type Support



Connectors create data consistently across databases, mainframes, files, and beyond, using workflows to build new connectors at speed.

On Demand Data for CI/CD



Parallel teams and tools can parameterise and trigger reusable data jobs, self-provisioning exactly the data they need on demand.

Built in Reusability



Reusable jobs and dictionaries accelerate data engineering and reduce strain on provisioning teams.

Data for Quality and Coverage



Coverage analysis, test matching and generation ensure that every test has the data it needs to find bugs earlier and at less cost to fix.

Understand your Data



Modelling, machine learning, relationship analysis and visualisations pay off technical debt and provide the understanding needed for data engineering.

Completeness of Vision



Test Data Automation integrates into an end-to-end platform for creating better user stories, better code and better tests.

Support for All Data Types

Test Data Automation supports all your data sources and we charge by data type, not volume. You can publish data directly to databases, or via APIs, files, messages, frontends, and an x3270 emulator. VIP, our visual workflow tool, lets you build custom connectors quickly, creating consistent data for:



**Relational
Databases**



**Mainframe
Data**



**Non-Relational
Databases**



Flat Files



Messages



Legacy systems

Why Curiosity?

We are test data pioneers. In 1995, members of our team co-founded the first of four start-ups specializing in test data innovation. Since then, we created one of the first data generation tools, in 2004, and one of the first self-service data platforms. We have also helped develop leading solutions in subsetting, masking, visualization, and beyond. Some of these tools remain on the market today, having been acquired by other vendors.

Curiosity offers a rare combination of project experience, cutting-edge software, and a history of innovation. We further bring an ethos of partnering with customers, working collaboratively to solve their hardest test data problems. In Curiosity, you will be partnering with veteran test data inventors, who will support you as you bring about meaningful changes at your organisation. Neither you nor your software will be left “on the shelf”.

Get Started Today!



Visit www.curiositysoftware.ie to learn more or [book a demo with a Curiosity expert today!](#)

Additionally, you can also email us at info@curiositysoftware.com



Call USA:

+1 914 218 0180



Curiosity Software Ireland

Unit 6 The Mill, The Maltings, Bray, Co. Wicklow, A98 XV40, Ireland

Curiosity Software USA

4136 Del Ray Ave. Suite 658, Marina Del Rey, CA 90292, USA

