

Dynamic Data Generation

A world of continuous development requires everchanging sets of test data to ensure software works. Yet all approaches available today are either manual, error prone, expensive, or unsecure.

AutonomIQ's Dynamic Data Generator automatically generates the test data they need to run any test, providing a solution that's fast, automated, and secure, eliminating the need for test data solutions, all without touching a single existing database.

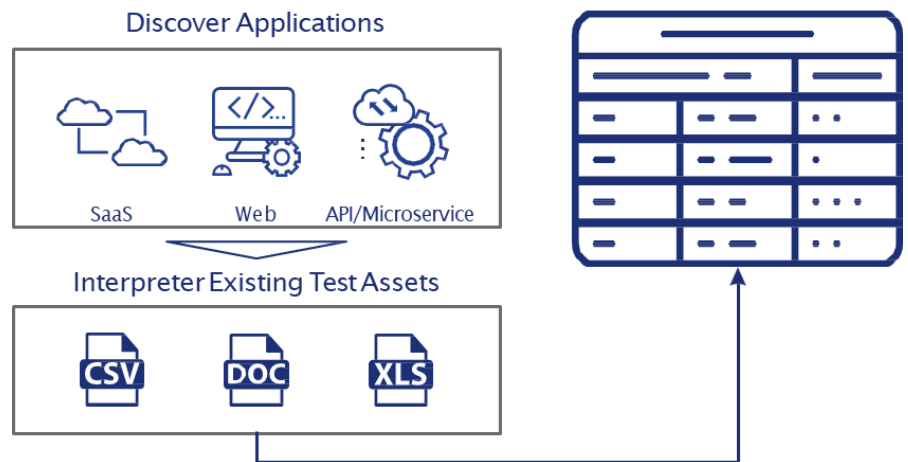
Benefits

- Never wait for test data again
- Eliminate security risk with synthetic data
- Remove the need for copies of heavy databases--it's completely ephemeral
- Give novices an easy-to-use, out-of-the-box, low-cost data test solution
- Allows experts to define more complex data sets

Key Features

- Generate data with one click for any web or SaaS app
- Use auto-run test scripts and never manage data again
- Eliminate database integrations to reduce costs and enable agility
- Never touch production data again
- Generate data to run positive, negative, boundary, and performance tests

On Demand Data



Today's enterprises need to continuously develop and release applications to meet customer demands. To support these efforts and test continuously, companies need sets of test data to validate their software works and ensure performance is up to par. However, no solution is fast, reliable, manageable, completely secure, and economic. So what are the solutions companies use today?

Some companies create data by hand, which is both labor intensive and not thorough enough. If they choose to clone production databases, they create privacy and security risks. Virtualization requires cloning databases, masking, and subsetting, and traditional data vendors take months to set up and need to plug into many data pools, requiring deep technical expertise. All of these solutions require large amounts of storage and compute. Test data management is systematically expensive, time intensive, and creates potential privacy and security risks, all without being thorough enough to keep up with changes in the applications under test.

Introducing Dynamic Data Generation

AutonomIQ’s Dynamic Data Generator comes to the rescue for test data, generating synthetic test data without access to any data sources enterprises use by creating data on the fly based on the application under test. The data generated can be thousands or millions of lines and used for positive, negative, and boundary case tests, allowing enterprises to have the data they need when they need it. Since the data is created based on the application under tests, the synthetic test data is continuously updated, eliminating the need for any management.

Leveraging the Dynamic Data Generator, companies no longer have security threats from test data, don’t have to spend a second creating or managing it, and save millions of dollars on masked and subset copies of their production databases. Enterprises just need to provide the apps and test cases – AutonomIQ does the rest.

	Production Clone	Test Set 1	Test Set 2	Test Set 3	Test Set 4	Time to Use	Cost
No TDM						Manually Create Each Set	10x
Traditional Test Data						Time Setting Up & Managing Data	5x
Virtualized Test Data						High Management Time	3.5x
						Readyout of the Box	1x

For more information, please visit

AutonomIQ.io

AutonomIQ is a cloud platform that enables product and IT teams to autonomously test, release, and deploy software, thereby increasing velocity of software releases without compromising quality. With pre-built integrations to common web applications and SaaS providers, customers can instantly create test cases, generate test scripts and test data, and execute tests. Using deep-learning and AI algorithms, AutonomIQ detects changes, enables self-healing for test assets, and provides advanced diagnostics. In real-world situations, AutonomIQ has been shown to provide over ~50% improvement in speed and quality compared to existing tools and techniques. For more information, please visit www.AutonomIQ.io