DATA SHEET

THE FUTURE OF TEST DATA GENERATION

For eight years GenRocket has been building an enterprise-class Test Data Generation solution that is quickly becoming the leading Test Data solution in the marketplace. GenRocket offers...

- **Speed -** Faster data delivery for CI/CD pipelines
- **Cost -** Costs 10% of alternate TDM solutions
- **Quality -** Superior quality than production test data
- **Complexity -** Faster to implement / Less complex
- **Security -** Fully secure / Great GDPR solution
- **Versatility -** Flexible architecture for any TDM need

SPEED

Speed is everything in software testing. The market is moving toward automated testing with CI/CD pipelines and Jenkins. But the 2018/2019 World Quality Report reveals that slow test data provisioning is a leading barrier to test automation. With test data provisioning up to 1000% faster and "zero touch" integration with test automation platforms GenRocket is the ideal solution for solving slow test data provisioning issues.

COST

Let's face it, currently available Test Data Management solutions are really expensive which is why up to 90% of the marketplace is still creating test data by hand (or in Excel) or using a home-grown TDM solution. GenRocket changes everything with a full, enterprise-class TDM solution at just $1,500 USD per user per year.

And cost isn't just the license cost it's also the cost and time to implement, train users and update the system in an ever-changing technology landscape. GenRocket keeps all these costs low as well.

QUALITY

We believe the quality of the testing process is only as good as the quality of the test data. With GenRocket's Test Data Generation platform, testers can generate synthetic test data with superior quality than traditional production data. With GenRocket, you have complete control over the generation of test data that is patterned, conditioned, more complete and maintains the accuracy of parent-child relationships between data tables.

SIMPLICITY

Currently available TDM solutions tend to be really complex with implementations that can take 6 to 18 months. GenRocket has an architecture that enables a test data implementation measured in days/weeks vs. months. And because GenRocket is easier to learn and use central TDM Managers stop becoming the bottleneck with testers able to provision the data they need on-demand and in real-time.

SECURITY

Many industries have strict regulations and compliance rules when it comes to using PII (personally identifiable information) in testing environments. The new EU GDPR rules add substantial fines so test data today must pose zero security risks. GenRocket offers a fully secure TDM solution because synthetic data is 100% secure. Even if a client chooses to mask production data, the GenRocket Synthetic Data Replacement process never stores or pulls any sensitive production data so there is no risk.

VERSATILITY

GenRocket customers have diverse and changing technology environments; they have the newest technologies, and many have legacy systems that go back decades. GenRocket was designed with a component-based architecture that allows us to support whatever technical environment you have. If our existing components ("Generators" and "Receivers") don't provide the support for your test data need we can usually add the new component at no cost and within a few weeks.

COMPONENT-BASED ARCHITECTURE
Complete flexibility in how complex test data challenges are solved.

SYNTHETIC DATA GENERATION
Better data quality than production with full control over business rules and logic. Full referential integrity (patented technology).

DATA MASKING
GenRocket offers an innovative data masking approach called "Synthetic Data Replacement."

UNLIMITED DATA FORMATS
The GenRocket Receiver component handles support for any data format needed from mainframe data, medical data, JSON, CSV or XML, to real time data and data for all kinds of databases GenRocket has 51 different Receivers and new Receivers can be added in one to two weeks usually at no cost.

VERSIONING + LIFECYCLE MANAGEMENT
Data models change but GenRocket automatically refactors changes in your Project. GenRocket supports unlimited Project Versions.

TEST DATA DELIVERY 1000% FASTER

Here are fast customer results from Financial Services, Retail and Healthcare:

DOMAIN	SCENARIO	VOLUME OF DATA	# OF ELEMENTS / COLUMNS	TIME TAKEN WITH TRADITIONAL APPROACH	TIME TAKEN WITH GENROCKET
Finance	Real-time Synthetic Data Replacement	50,000	2 databases 15 tables 110 columns	~ 16 hours	~ 20 minutes
Retail	Data Generation for functional and performance testing of E-commerce	1,000,000	2 databases 30 tables 200 columns	~ 30 hours	~ 15 minutes
Health Care	Data Generation for integration Testing	500,000	2 databases 28 tables 105 columns	~ 24 hours	~ 10 minutes

Customers

Our customers span many industries across the world; these industries include:

- Banking
- Financial Services
- Insurance / Healthcare
- Information Technology
- Software
- Advertising
- Retail
- Manufacturing

Fast Data Generation

Generate 10,000 rows of data per second on standard computers. Generate billions of rows of data in minutes using the partition engine.
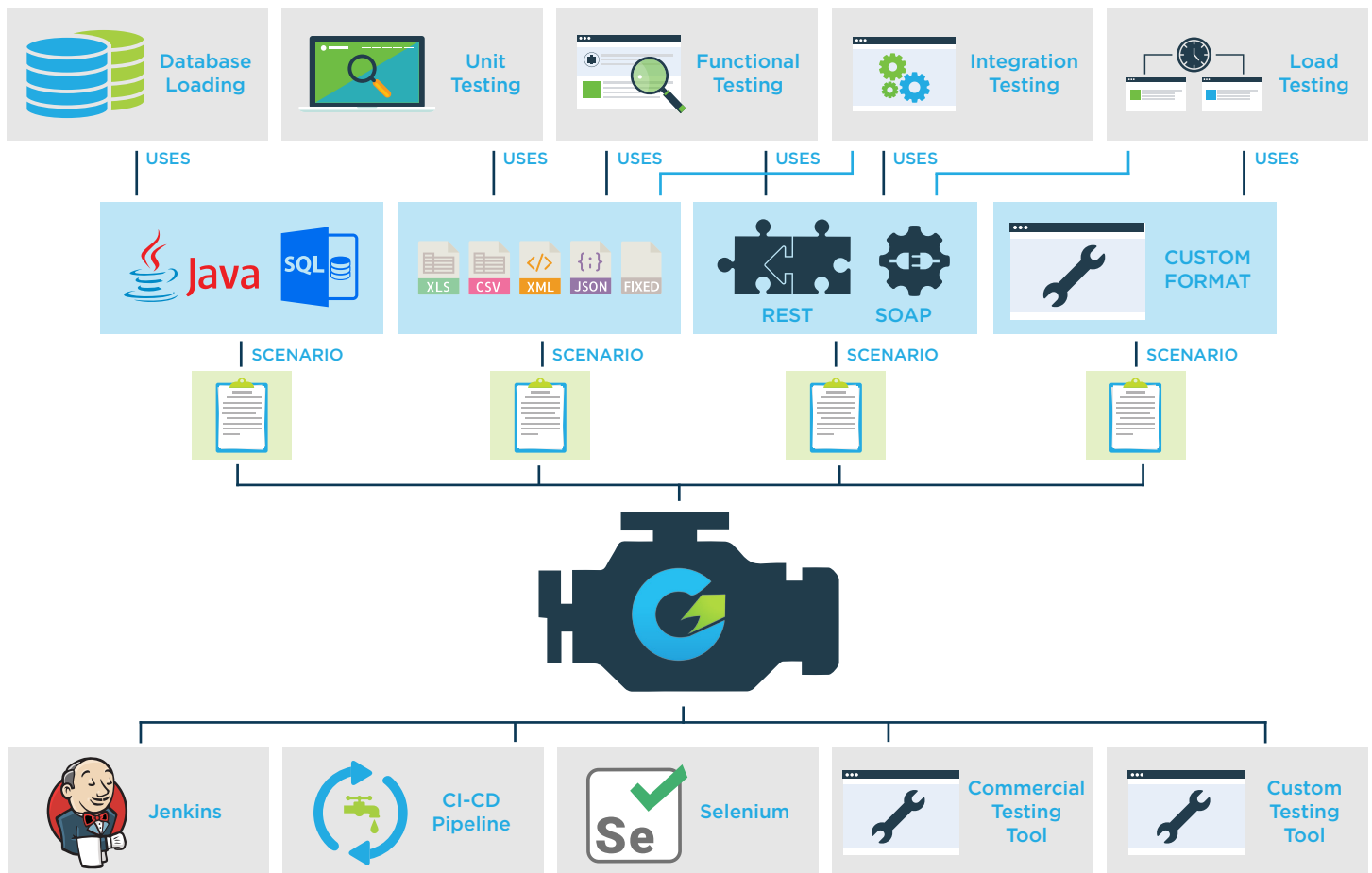
Fast Data Model Setup

There are 1⁄2 dozen ways to quickly set up data models in GenRocket:

- XTS import
- XSD Import
- DDL import
- CSV import
- Scratchpad setup
- Domain Presets
- Project Presets

Types of Test Data that can be generated (partial list)

- Patterned
- Realistic
- Sequential
- Random
- Edge Case
- Null
- Permutations
- Percentages
- Calculations
- Credit cards
- Identifications
- Images
- Dates
- Languages
- Addresses
- Emoticons
- Math symbols
- Music notations
- Health care data (e.g. EDI, HL7)
- Financial data (e.g. real time data feeds and financial file formats like BAI2 and NACHA)

GenRocket Scenarios can Generate Test Data in any Format, for any Type of Test

BIG DATA

For small quantities of test data on a single computer GenRocket generates data in milliseconds and tens of thousands of rows in seconds. But sometimes millions or billions of rows of test data are needed. In those cases the GenRocket Partition Engine can be used to generate millions or billions of records in minutes.

Virtual Private Cloud HOSTING

GenRocket is available through Virtual Private Cloud hosting model.

- This environment is hosted on AWS servers, is secure, redundant, backed up, managed 7 x 24 x 365 and updated daily. The cost of this hosting model is included in the GenRocket software license.
- Independent security tests have validated the security of the hosted system.
- This is the recommended hosting approach for all GenRocket customers.
- Dedicated Private Cloud and On Premise hosting are also available at an additional cost.

Virtual Private Cloud

1. GenRocket Virtual Private Cloud

2. GenRocket Scenario

3. Your Corporate Firewall (HTTPS)

4. Local Machine + GenRocket Runtime

5. Test Data

RANDOM DATA
749-49-0182
797-59-7445
135-93-8060
214-82-8447

Powerful Integrations: GenRocket API's

The Runtime API gives full and dynamic control over real time data generation.

The REST API allows for powerful integration with custom in-house testing applications without the need to use the GenRocket GUI.

Self Service Test Data

The GenRocket GMUS (Multi-User Server) used in conjunction with the REST API allows hundreds to thousands of test data requests to be managed simultaneously.

GenRocket University

GenRocket University participants get access to one of three LMS (Learning Management System) training courses and the ability to learn through hands-on use of their own GenRocket license.

The three available courses:

1. GCE – GenRocket Certified Engineer
2. Power Tester
3. Standard Tester

"The GenRocket platform is revolutionary – it replaces manual test data generation with a fully automated process that turns dummy data into intelligent data"

- **Ruslan Desyatnikov**, CEO, President and Founder QA Mentor

Start your No-Cost Proof of Concept

See how GenRocket can solve you test data challenge with a Proof of Concept.

Get started by requesting a demo at www.GenRocket.com