



What is a Test Data Project?

September 2024



GenRocket License Approach

1. **Unlimited** Data to your different Test Environments
2. **Unlimited** Users of the System
3. Level of License is based on the number of **Test Data Projects**

What is a Test Data Project?

GenRocket Project Dashboard Options Management Presets Help Admin Tools GenRocket - Ga

Project Dashboard

Projects ?

RepoDemo SWIFTMX Receiver

New Project All Projects 67 Proj

Queue Status ?

Filter

Queue Id	Action	Status
No tasks are waiting in the queue to be executed.		

Refresh

Resources ?

My Resources	Value	
resource.home.directory	/Users/garthrose	
resource.jdbc.config	~	
resource.jdbc.dest.config	~	

Add Resource Download Select Server 9 Res

BankDemo - Version 1.0

Project Versions

Version	Manage ?
1.0	

Manage

Domains ?

All Domains

Account	
AccountLevel	
AccountType	
Branch	
CardProduct	

New Domain 10 Domains

Scenarios ?

All Scenarios

AccountLevelScenario	
AccountScenario	
AccountTypeScenario	
BranchScenario	

New Scenario Batch Operation 10 Scenarios

Scenario Chains ?

All Scenari...

AccountTableScenarioChain	
TypeTablesScenarioChain	

New Scenario Chain 2 Scenario Chains

Scenario Chain Sets ?

All Scenari...

DefaultPopulateScenarioChai...

New Scenario Chain Set

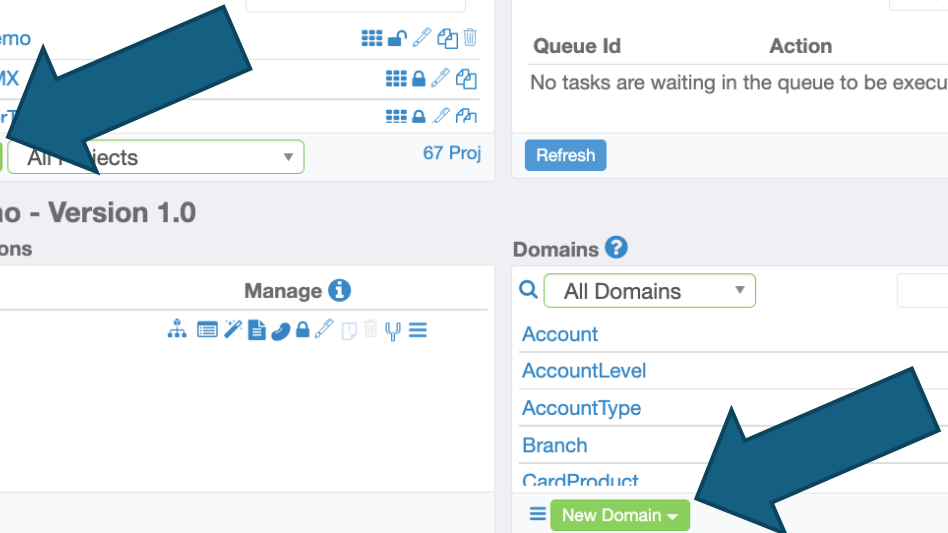
Management ?

Project Version Variable Configuration Management Migration Management Generator Tags

New Project Version Variable Set

Name	Value	Actions
No data available in table		

Filter



New Test Data Project Setup – 16 Methods

Scratch Pad	Import from Presets
New Domain	Import from Salesforce
Quick Pattern	Import from Spark Schema
Import From CSV	Import from XSD
Import from DDL	Import from XTS
Import from GenRocket JSON Schema	Import from YAML
Import from JSON	Import from Avro JSON Schema
Import from CopyBook	Import from CSV for Fixed File

Each Data Relationship Set (Schema) is a Project

Project - BankingDemo 1.0 Domain: Account Created By: Hycel Taylor | Created On: Apr 05, 2020 | Modified By: Hycel Taylor | Modified On: Apr 28, 2020

Name: Account Table Name: account Description: Definition: Select Type

Save Copy Group Edit Categorize Delete Export Preset

Main Relationship Template

Referential Parent Domain	Referential Siblings	Children
Name Branch Remove Referential Parent	Name AccountType AccountLevel Add Referential Sibling 2 Siblings	Name CustomerAccount Transaction

```
graph TD; Branch((Branch)) ---|1 to N| Account((Account)); AccountType((AccountType)) ---|1 to N| Account; AccountLevel((AccountLevel)) ---|1 to N| Account; Account ---|1 to N| CustomerAccount((CustomerAccount)); Account ---|1 to N| Transaction((Transaction));
```

The Test Data Project Schema can be **any size** (a few Domains or thousands of Domains).

Test Data Project Examples

Example 1: 1 Database = 1 Project



Example 2: 1 Database (100's of tables) = 1 Project per Module



Example 3: 1 Database, multiple schemas = 1 Project per schema



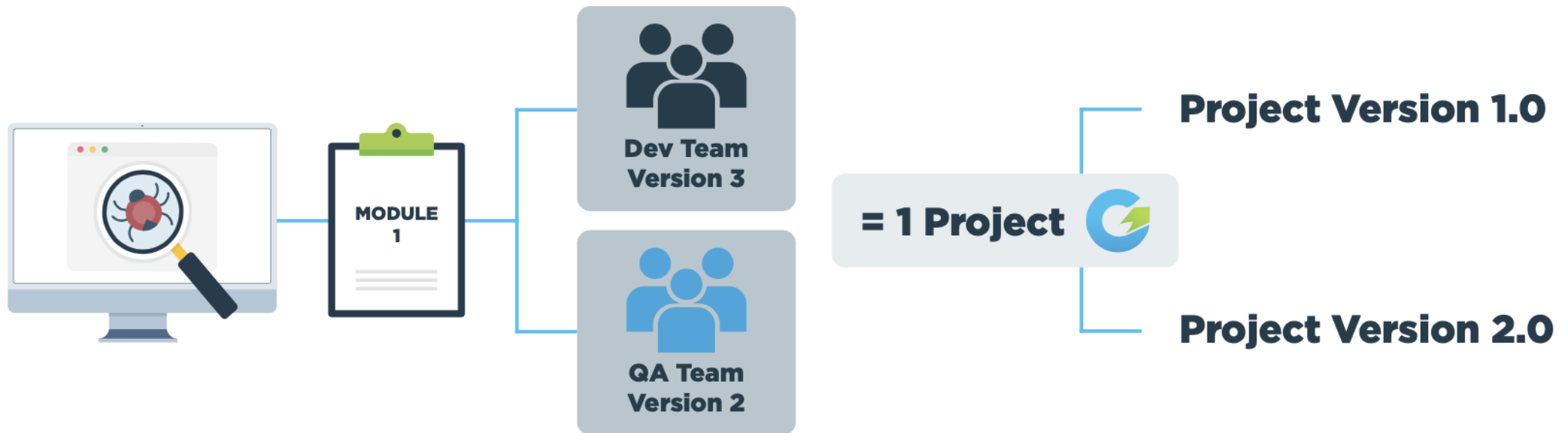
Example 4 : Complex (Nested) File Formats, EDI, JSON XML etc. = 1 Project per document



Each Project can deliver **unlimited data** to one or many target databases / apps in your lower environment

Project Versioning

One Test Data project with *two project versions*.



The GenRocket license includes up to five (5) *project versions* for each Project

Project Examples

SCENARIO	# OF PROJECTS	GUIDANCE
Closed or COTS system like SAP, Salesforce etc.	1 Project per module or related functions	To test an ERP with different modules, in an AP module, the <i>invoicing</i> function would be one project. Testing Salesforce through the front end (a group of screens/ fields to test a function) would be a project.
Blackbox or front-end testing	1 Project Per related function or group of front-end fields	Web front end, testing for an enrollment form would be one project.
Subset or masking a SQL database	1 Project per related group of domains/database	Subset and mask a customer database to subset and synthetically replace customer names.
Specialty test data files used for SWIFT or EDI	1 Project per SWIFT message (MT or MX)	Tags in each SWIFT message are considered related domains. SWIFT MT940 is a separate project from SWIFT MT103. Segments in each EDI document is considered related domains. EDI 837P is a separate project from EDI 837I.
Complex, nested fixed file formats (example: Avro, Parquet, Data Feeds)	1 Project per each nested file format (document)	The segments in the nested output are considered a <i>group of related Domains</i> .
Applications with NoSQL databases	It depends	Large number of variables are involved in NoSQL databases. It will depend on what is being tested.

FAQ's

1. Can Test Data Projects be deleted when the Project is no longer needed?
 - Yes. Project deletion requires “Org Admin” approval but then Projects can be deleted
 - The deleted Project is returned to the total available Project count
2. Can Test Data Project Versions be deleted when they are no longer needed?
 - Yes. Project Version deletion requires “Org Admin” approval but then they can be deleted
 - The deleted Project Version is returned to the total available Project Version count
3. Is each Target Environment a Project?
 - No. A Project can provide **unlimited data** to **unlimited** number of destination environments