CA Agile Requirements Designer– DataBuilder

Model Driven Test Data to drive your DevOps Frameworks

Create rich coherent sets of test data with cross system integrity, that lets you cover more scenarios, create stable automation layers and drive faster development.

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Creating coherent data at speed within increasingly faster Devops cycles is crucial to modern development practices. Whether you are modifying existing systems or creating brand new functionality having the correct test data to drive high quality development and testing is crucial to the success of all projects.



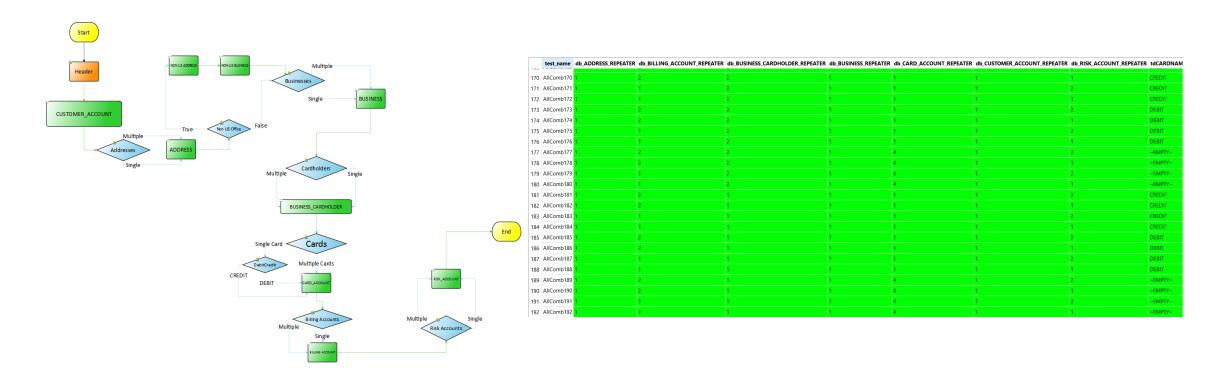
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Introducing DataBuilder - a toolset specifically designed to find and create the correct data for cross system testing. DataBuilder is built on the core technologies of CA Test Data Manager and CA Agile Requirements Designer. By combining the power of advanced modelling with the world's most powerful test data generation engine DataBuilder can very quickly improve the quality and speed of your development.

DataBuilder is fully integrated with the worlds' leading software lifecycle tools such CA Agile Central, HPE ALM and Jira allowing you to attach and define the data you need to the user stories as well as auto generating matching test cases.



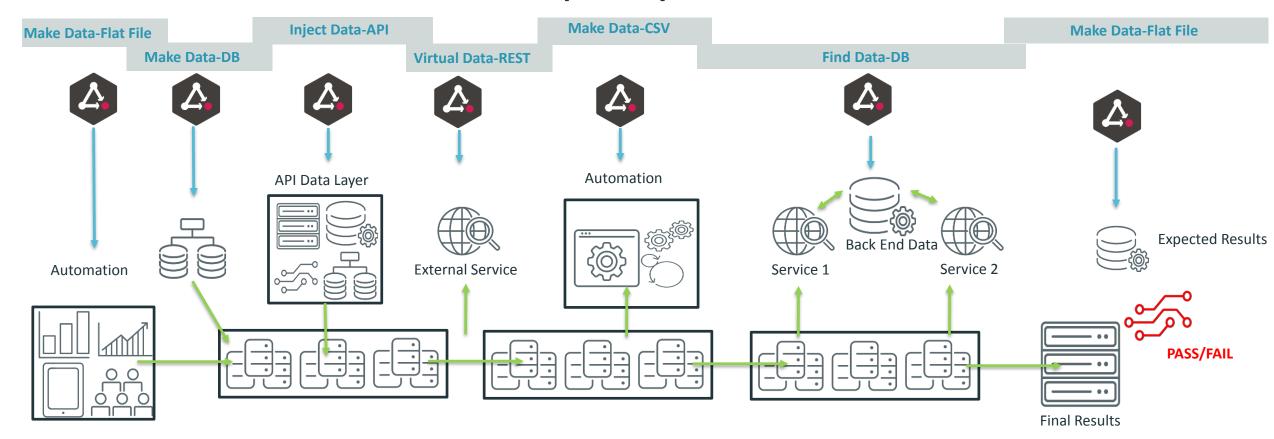
DataBuilder – Using Modelling to Cover Combinations of Data



Once you have built an initial model of your required data scenarios you can quickly advance to autogenerating much more sophisticated sets of combinations of data values. So from a single model you can guarantee you are hitting all the potential combinations of data.



Creating Test Data to support complex chains of data interactions across multiple systems



DataBuilder can find or create test data that is synchronized and coherent across multiple systems. Most testing nowadays requires that data in other dependent systems is linked to your test case. Setting up cross system data is very time consuming and fragile, in some cases it can appear impossible.

DataBuilder lets you model the cross system data dependencies and then either find and reserve test data or create new, matching data. The data can be injected into CA Service Virtualization to create "intelligent" responses, message data, directly into databases or via automation scripts.

By using simple to understand models users can drag and drop data characteristics and quickly create complex test data scenarios





Data for negative testing can easily be created by utilizing sub flows of common invalid data scenarios.

If data for tests cannot be found DataBuilder will create the missing data.



As data is created or found it can be used to drive automation frameworks

Automation relies heavily on stable test data, much time can be spent manually creating test data or looking for data related automation issues. With DataBuilder you can track the keys to drive the automation as well as storing the expected results.

The effect is to allow automation frameworks to be simpler with test data being created before they run and expected results fed into the framework.



Who would use DataBuilder and for What Project Types?

DataBuilder can create data for users for acceptance testing, for testers to manually test with and for developers to develop against. Good rich test data is required right across all aspects of a dev cycle, including: design; development; user, integration, regression and performance testing as well as for user training.

Typical projects that require complex data to be created and maintained are:

- Big Data testing
- ETL testing
- Migration testing
- Business Intelligence testing
- EDI File processing
- Time shifted data



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Simple to use Test Data Generation and Data Modelling.

Driving Continuous Development and DevOps frameworks.

