



Data Sheet

TriZetto® Configuration Data Analyzer Tool

Healthcare Payers’ unique business needs constantly change, creating a large amount of process and system changes. These changes require a high volume of test cases with many variations and unique scenarios. All of these testing changes require data variables and volume to confidently validate systems and avoid rework or readjudication.

Two problems often arise when Payers want realistic data volumes that meet all possible use cases.

1. Testing teams need a way to quickly analyze applicable data to determine if it is available for use and if it can be utilized without modification for test cases.

2. If data isn’t available for a scenario, the data needs to be created to achieve realistic test-case coverage.

In an effort to quickly leverage data for your particular testing cases Cognizant® created the TriZetto® Configuration Data Analyzer, a core system agnostic solution that analyzes your use case coverage and identifies test case coverage gaps related to your existing configuration.

The TriZetto Configuration Data Analyzer tool can analyze the current configuration data in a source to identify variables that require testing. This identification increases confidence in testing coverage and may reduce the amount of time to acquire data.

The data analysis function or feature can increase test-case coverage and avoid costly rework and readjudication by quickly identifying gaps through the identification of three different types of data: data that meets your criteria exactly; data that can be leveraged with some modification and data that must be created because it doesn’t exist in your source. The following is a scenario of how the Configuration Data Analyzer quickly identified what claim data is available for a specific test scenario and what additional data needs to be created.

Output types	Analysis details	Example - 800 specific claims needed
Dataset 1 - claims that match criteria exactly	Claims IDs where the member/provider is in a specific group/plan/product/program configuration	300 claims match
Dataset 2 - claims can be leveraged with modification	Claims with service IDs/benefit terms where the member/provider is not part of group/plan/product	200 claims can be applied
Dataset 3 - no claims to leverage	Service IDs/benefit terms that have no claims at all. Use the inputs to create claims with SEED	Inputs used to create 300 more claims

These datasets and analysis inputs can be exported into additional steps in your testing process.

The first two data outputs that match criteria can be masked or modified utilizing other tools such as TriZetto® Claim Test Pro software or TriZetto® Facets® Test Data Generator or TriZetto® QNXT™ Test Data Generator software, both of which are within the Optimization tools portfolio. The inputs identify the data coverage gap, which can be utilized by data creation tools such as the TriZetto® Synthetic Enterprise Executable Data tool.

TriZetto® Synthetic Executable Enterprise Data

The TriZetto Synthetic Executable Enterprise Data (SEED) tool generates large volumes of data to complete test cases and improve test-case coverage. As shown in the example, completing test cases with the required volumes of data can be difficult when a source for test data is unavailable. The SEED tool creates data without a source based on requirements so users can fulfill the test-case coverage gaps with data that is free from Protected Health Information (PHI). The SEED tool is claims processing system agnostic, and the output can be used to create 834 and 837 files.

Without the SEED tool, new data is often created manually or through complex manipulation of existing sources. Manual creation of data is often difficult due to the time required to assemble large volumes of data and the manipulation of data is often problematic, as modifications often result in data that is unusable. Additionally, if source data is manipulated to create new data, the new data is often not masked resulting in a security risk.

EDI Transaction Generator

Once data is created it needs to be processed into the testing target quickly and correctly. The process of manually editing these transactions can be time-consuming, error-prone and creates a challenge with a large number of test files.

SEED allows:

- Creation of large volumes of data for increased test-case coverage
- Data created without a source, free of PHI

SEED enables:

- Test data creation reduced by more than 60%
- Defect leakages reduced by 30-40%

SEED Case study:

- Client membership data creation time improved by more than 80%
- 1,000 claims generated and loaded into a target in less than 30 minutes

SEED steps:



Configure business rules



Create master data copy for all combinations desired



Users specify required data based on the scenario from a master data copy



Data can be exported and analyzed based on the available combinations

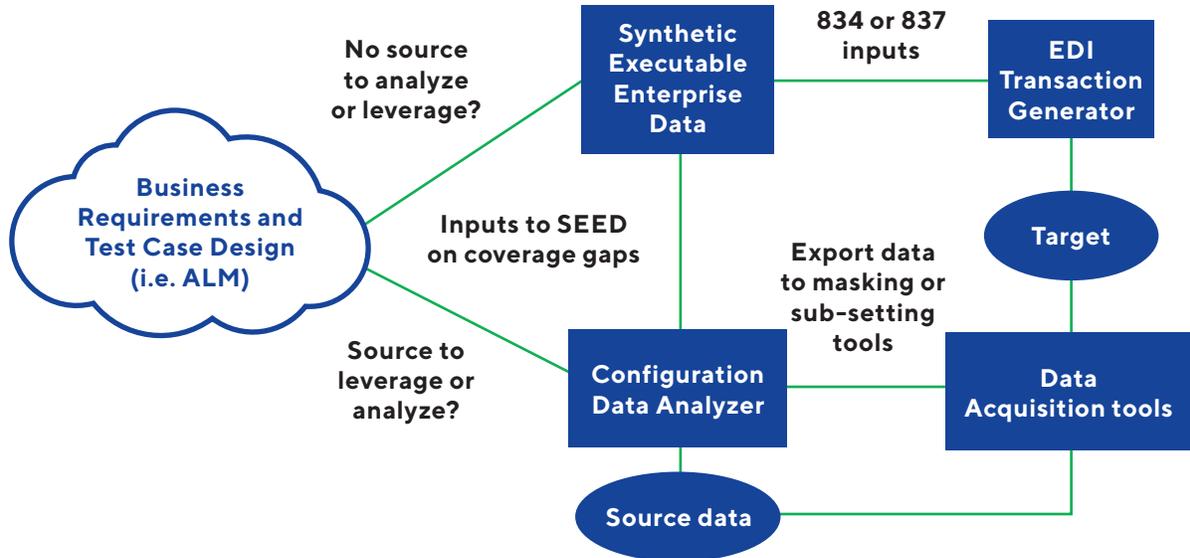
EDI Transaction Generator can quickly create EDI ANSI X12 standard transaction formats for EDI gateways and downstream healthcare applications. Using the EDI Transactions Generator, users can create X12 data from the ground up using inputs provided in pre-defined Excel templates and data input verification or users can leverage existing X12 transactions with the EDI Transaction Generator templates. Data errors are reduced through input data verification and automated EDI file generation that removes current dependencies for creating EDI files and improves EDI file creation time by 70 - 80%.

EDI Transaction Generator tool works with the following X12 file formats:

820, 834, 835, 837 I, D, & P, 270, 271, 276, 277, 278-11, 278-13

Test Data Management Solution

Configuration Data Analyzer, Synthetic Executable Enterprise Data, and EDI Transaction Generator are important parts of a larger test data management solution including but not limited to other TriZetto® Optimization tools such as the TriZetto® Claim Test Pro, TriZetto® Configuration Migration Utilities, or TriZetto® Test Data Generator. Contact the TriZetto team for more information on any of the tools or to evaluate other test data management processes.



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