

PRE-DELIVERED DATA POOLS AS SEED LISTS

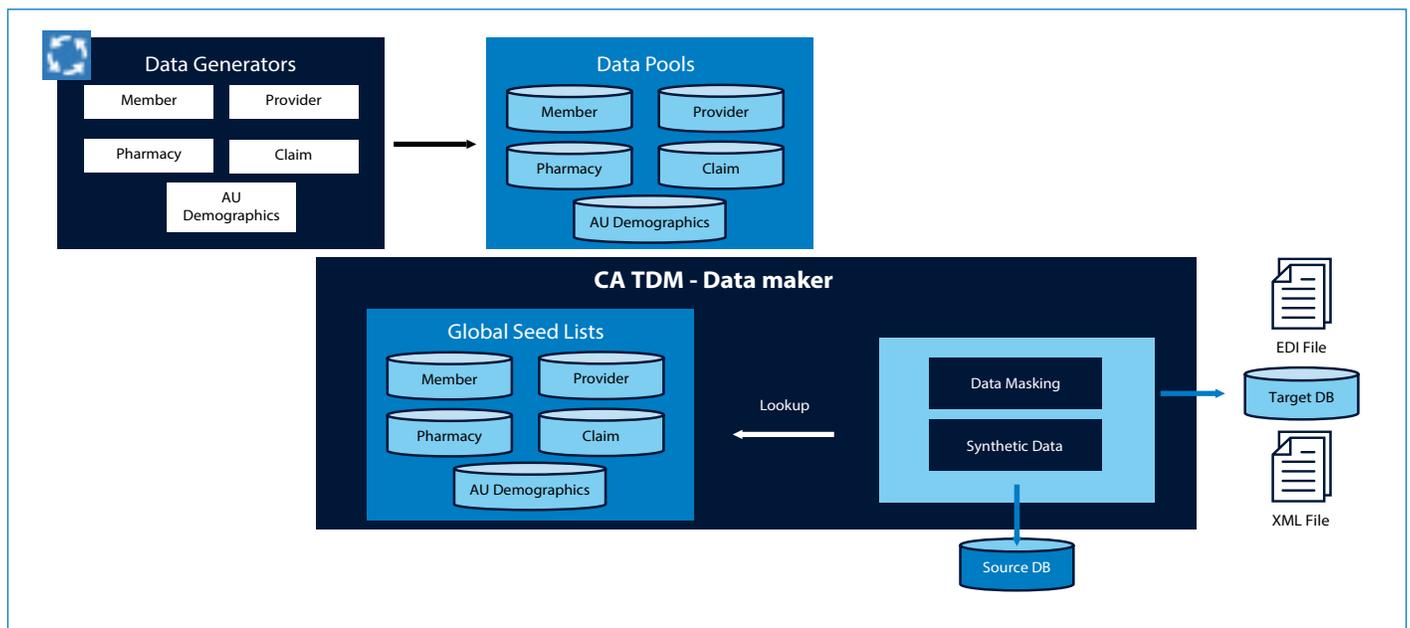
Introduction

The CA Test Data Manager (CA TDM) provides a wide range of capabilities and solutions for data masking and the creation of synthetic data. One such capability that CA provides is 'prebuilt seed lists' that can be used in data masking and the generation of synthetic data. However, prebuilt seed lists do not provide test data that covers all domains and demographics. As a part of this joint solution, Infosys intends to provide seed lists for the healthcare domain as well as Australian demographics.



Solution

The CA Test Data Manager provides a market-leading range of solutions designed to help you manage, profile, mask, subset, and create purposeful test data. In order to maximize its usage, Infosys with its vast experience in healthcare and test data management has developed a set of data pools, which are extendable and customizable for the healthcare domain and Australian demographics. Data pools can be provided in on CA TDM as global seed lists that can be leveraged as look-up tables or reference tables during data masking and the generation of synthetic data.



Creation of global seed lists

- Data pools for members, providers, pharmacies, claims, and Australian demographics are present in the .csv format (these files are part of the joint solution)
- Import data pools (.csv) onto CA TDM as global seed list

Seed-list Details

Testers prefer meaningful test data with valid data attributes (data that resembles production data) to run tests for validating application behavior rather than random data. The seed lists given below shall be leveraged to mask or create meaningful test data (that resembles production data) to test healthcare applications and applications that need valid Australian demographics information.

- Accelerate data masking and synthetic datageneration process by leveraging seed lists and CA TDM
- Enrich synthetic data generation and masking capabilities with domain specific data
- Reduce TDM implementation effort by up to 20 percent specific to the healthcare vertical and Australian demographics

Benefits of Pre-delivered data pools as seed lists

Seed list name	Description	Why to use
 Member (Patient)	Predefined set of data attributes are identified and populated with data to define the 'member' as an entity in healthcare. The attributes of a member include member identification and demographics (like name, social security number, gender, street name, postal code, phone, and fax number).	Member seed list has patients with unique identification number and SSN along with family via relationship code and valid demographic (postal code, city, and state) information.
 Provider (Doctors)	Predefined set of data attributes are identified and populated with data to define the provider as an entity in healthcare. The attributes of a provider include provider identification, demographics (like name, SSN, gender, street name, postal code, phone, and fax number), specialty, facility type, taxonomy, etc.	The provider seed list contains doctors with various specialties, facility types, network category with unique identification (like NPI / TAX ID) and valid demographic (postal code, city, and state) information.
 Pharmacy	Predefined set of data attributes are identified and populated with data to define pharmacy as an entity in healthcare. The attributes of a pharmacy include pharmacy name, type, NPI, network (in / out), street name, postal code, city, state, phone, and fax number.	The pharmacy seed list contains different types of pharmacies and indicators to differentiate network category with valid demographic (postal code, city, and state) information.
 Claim	Predefined set of data attributes are identified and populated with data to define claim as an entity in healthcare. Claim attributes include claim ID, type of claim, and claim status for various plan and member enrollment combinations.	The claim seed list has a set of different types of claims with different claims statuses represented by claim type and status code.
 Australian demographics	Predefined set of data attributes are identified and populated with Australia-specific data to define address as an entity. Address attributes include Australian demographic details like name, city, street name, state, postal code, and tax file number (TFN).	The Australian demographics seed list contains a set of valid Australian demographics like city, street name, state, and postal code.

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