

# CA Test Data Manager – Feature Overview

What is it?		CA TDM
<b>Data Masking</b>	Create a structurally similar set of data for testing purposes based on the original data	With CA Test Data Manager you can secure millions of rows of data in minutes using automated data profiling and high performance masking engines.
<b>Extraction Capability</b>	Extract data from multiple sources to build precise and accurate test data, needed by all development teams.	CA Test Data Manager lets you define specific data criteria, rather than feeding your tests from unstable spreadsheets. We use sophisticated data mining techniques to discover and extract these criteria from multiple data sources. Once extracted, the data is then quickly matched to the appropriate test.
<b>Coverage Analysis</b>	Analyze coverage using multiple inputs	CA Test Data Manager uses systematic data profiling techniques to quickly and intelligently understand gaps in your coverage. These are then displayed in a clean, graphical view. This lets you quickly identify the scenarios and attributes you need to create, based on the testing specifications.
<b>Synthetic data generation</b>	Create data from scratch using specific criteria either from production data or defined by the tester.	Use synthetic test data generation from CA Test Data Manager to quickly build rich, intelligent sets of synthetic test data (also known as dummy data). Enhance existing data subsets and cloned attributes, or create test data where none currently exists. Based on your current data model, synthetic test data contains all of the characteristics of production with none of the sensitive content. This eliminates the risk of data breach, and reduces the time spent searching for data by 50%.
<b>Data cloning</b>	Ad hoc, test data on demand facility for extracting specific data attributes, from multiple systems, into development.	Data cloning from CA Test Data Manager allows you to extract just the specific attributes you need and ‘clone’ them multiple times, ensuring that they are always available for use. You can also significantly reduce the time required to deliver data into development.
<b>Create data for complex file structures, XML structures, multi-record types and Mainframe copybooks</b>	Extract and securing subsets of data from different platforms.	CA Test Data Manager provides a market-leading range of mainframe solutions designed to help you manage, profile, mask and subset, and create fit for purpose test data on the mainframe. Supporting z/OS on DB2, DB2 UDB, DB2/AS400, VSAM, ISAM and IMS – as well as non-indexed flat files – CA Test Data Manager allows you to utilize the complete test data management solution to support your legacy systems.
<b>Find and generate missing data</b>	Identifies missing data and generates it where needed.	Synthetic test data generation from CA Test Data Manager reduces the time wasted by manually searching for or creating test data by 50%. It also lets you enhance existing test data sets or creating missing test data. Synthetic test data, driven by requirements, allows you to shift left testing, detect defects earlier and improve the quality of testing.
<b>Subset publish data</b>	Grab small slices of data for specific scenarios.	CA Test Data Manager uses native database utilities to ensure the highest possible performance when extracting small, more intelligent subsets from production. This allows you to quickly provide teams with more manageable sets of consistent, referentially intact data for testing. It also minimizes the risk of exposing sensitive records and reduces infrastructure costs by as much as \$50k per database.
<b>Data Inheritance – store data differences</b>	Ability to quickly assemble complex text scenarios.	CA Test Data Manager uses the concept of inheritance – inheriting the content of one data pool from another data pool. This allows you to quickly build up more complex test sets or scenarios (collections of data

		pools), which can published directly into development or testing environments, shared and re-used.
<b>Reserve Test Data</b>	Provisioning the right data to the right place, at the right time.	The concept of the Test Data Warehouse underpins CA Test Data Manager, the complete test data management solution, relieving the pain points that challenge efficient test data provisioning. The ability to store, enhance and manage/reserve data in the central test data repository allows you to improve communication of requirements and data requests, as well as removing data dependencies between multiple teams.
<b>Test Data Matching</b>	Match the right data for each test.	CA Test Data Manager lets you quickly identify and mine data from multiple production systems and match it directly to the appropriate test cases. Instead of unstable keys in spreadsheets, CA Test Data Manager uses pre-defined stable test criteria, based on current requirements, to mine the data. This allows you to stabilize software test automation cycles. It also ensures tests are performed with the right test data.
<b>Data Visualization</b>	See and select the exact data attributes required for each test scenario.	Gaps in your data can be populated using CA Test Data Manager's powerful synthetic test data generation functionality. You will be able to simply and quickly create the data your teams need for their tests, before testing begins. This will avoid bottlenecks in testing as teams will no longer need to manually create, find or wait for test data. Improved testing coverage will also ensure that you deliver a quality, fully tested product to market, earlier.
<b>Build Complex Trends into Data</b>	Apply variations to test data such as increasing prices, amounts, or values.	CA Test Data Manager contains a powerful trend generator that allows you to build complex data variations into your test data. This lets you effectively stock reordering systems or share price models, for example. As these variations may not be in production, TDM ensures the highest quality tests.