Mphasis
The Next Applied

TEST DATA MANAGEMENT CENTER OF EXCELLENCE

>> DATA <<

Centralize the test data management function to institutionalize test data provisioning and security while providing faster time to market and lower testing costs.

Business Problem

Today's enterprise applications have an insatiable appetite for data. Applications are data driven and need to be tested in countless variations and combinations. The data combinations can become very complex. They also need to be mined or created. Data mining and creation is a very time consuming process, burning precious work hours. This creates havoc with project schedules and ultimately deliverables.

Some organizations have resorted to use a production data copy for test. This puts brand reputation at risk as personal information is now potentially available to people who should not have access.

A successful development effort has to have an efficient, accurate and secure Test Data Management Team.

Hidden Costs

Studies reveal as much as 50% of development and testing time is spent manipulating, searching for or manually creating the right data to meet test case requirements.
This raises the overall cost of quality in an organization. On **just one** typical large-sized enterprise project, 50% of development and testing time can easily reach $1M+ dollars in unnecessary spend due to inefficient test data management practices.

In addition, research indicates that testers spend up to 30% of their time resolving data-related defects caused by incorrectly defined test data. This further contributes to the cost of quality as the expense of poor quality (defects) is higher toward the end of the project.

One of the main reasons that business applications reach production without being properly tested is a lack of **thorough test data scenarios** during the testing phase that fully and completely exercise the application with real-world business conditions. Production defects arising from incomplete testing cost businesses billions of dollars annually in recovery costs, consumer costs, public relations costs, litigation costs, and regulatory fines.
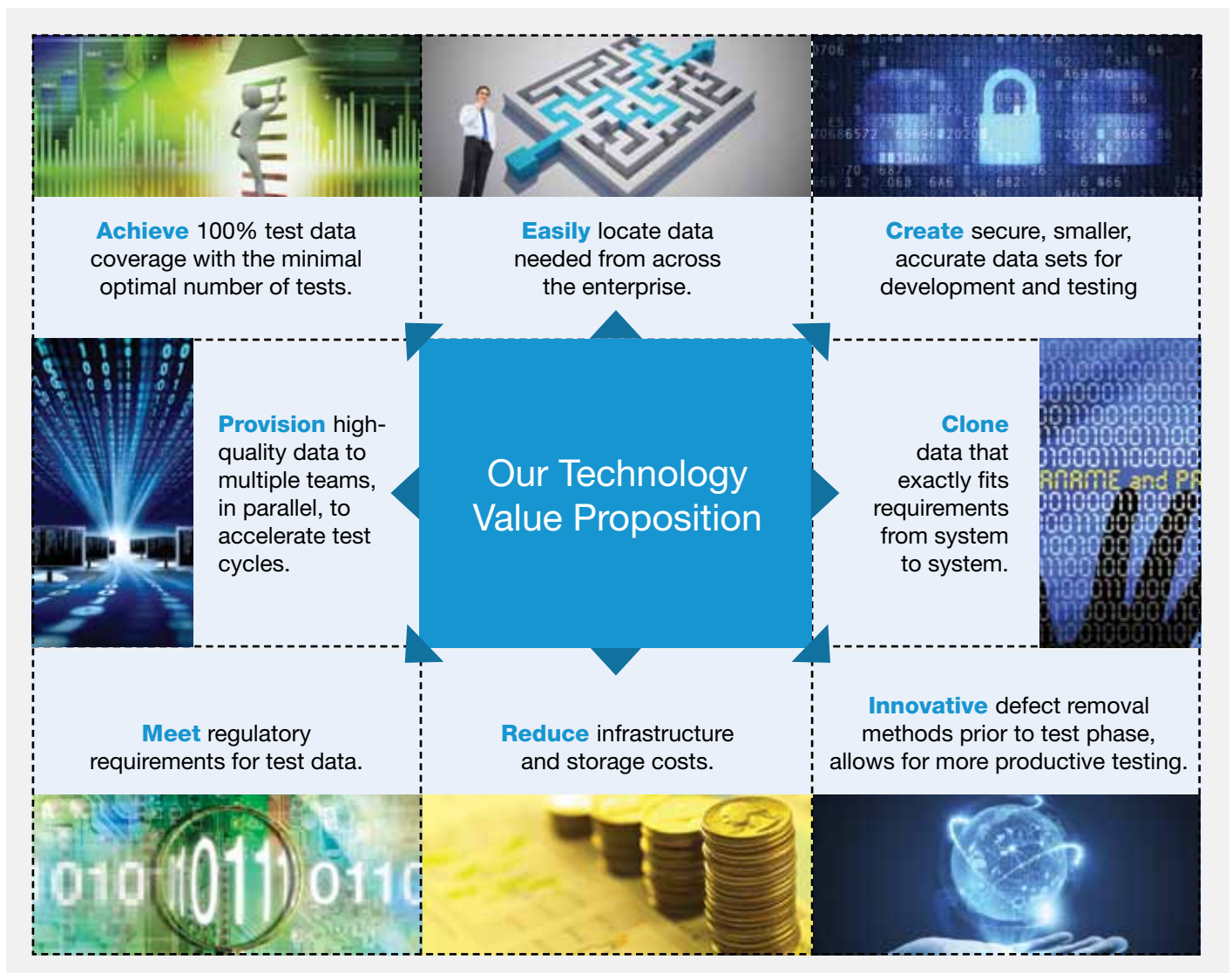
Test Data Management Center of Excellence

A Test Data Management Center of Excellence (TDMCoE) will enable a minimum of 30% efficiency gains across an enterprise. Elimination of 30% of the time it takes to search for and provision suitable data during the development and testing process results in **faster time-to-market, reduced project efforts,** and **greater product quality.** The cost saving easily reaches one million dollars annually in even moderately sized organizations, and tens of millions of dollars in the largest organizations.

Elimination of data-related defects early in the process (due to avoidance of such defects with a TDMCoE) further drives significant cost savings during the later phases of the project.

The ROI on the Mphasis TDMCoE is typically achieved within the first 9 to 12 months for mid-sized development and testing organizations. For larger organizations, the ROI is typically achieved in the first 6 months.

Achieve 100% test data coverage with the minimal optimal number of tests.

Easily locate data needed from across the enterprise.

Create secure, smaller, accurate data sets for development and testing

Provision high-quality data to multiple teams, in parallel, to accelerate test cycles.

Our Technology Value Proposition

Clone data that exactly fits requirements from system to system.

Meet regulatory requirements for test data.

Reduce infrastructure and storage costs.

Innovative defect removal methods prior to test phase, allows for more productive testing.
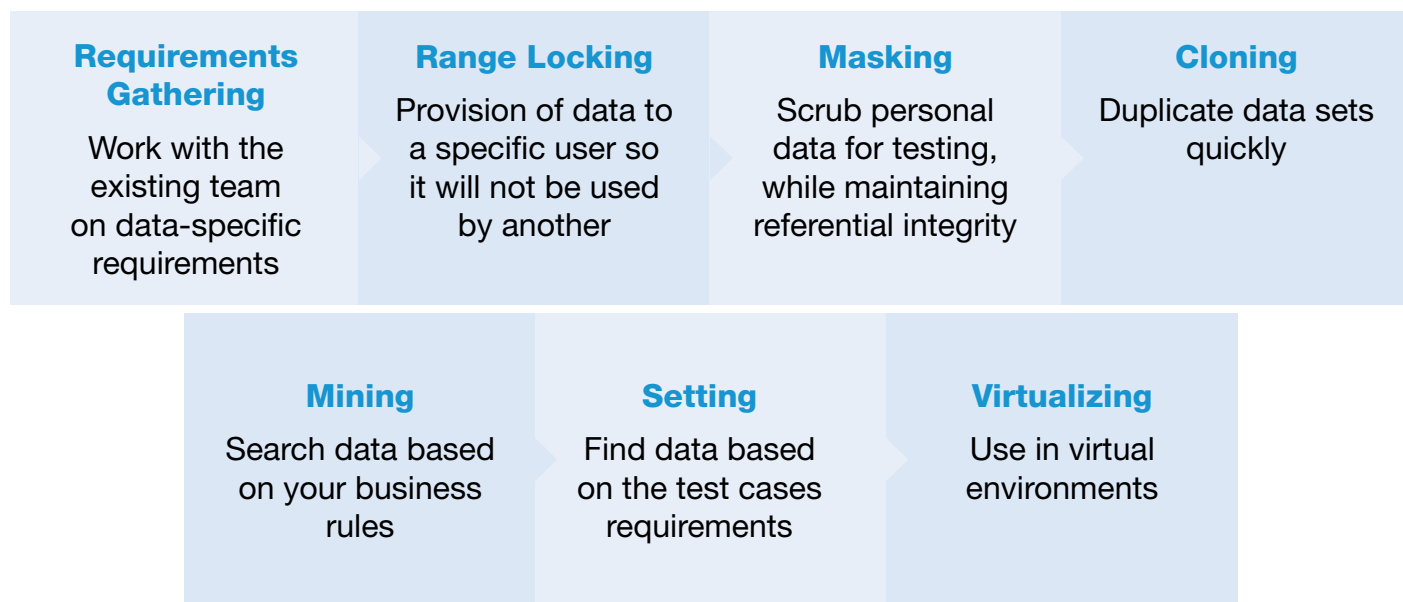
Solution

The Mphasis TDMCoE is a centralized team deployed in your enterprise that coordinates TDM best practices through a framework and a set of tools that allows each line of business within an enterprise to fulfill their unique test data needs in a timely way to keep ahead of their project release cycles. The framework prescribes both the generation of test data according to needed business rules and data security needs, as well as data mining capabilities from production data repositories as needed.

Our team takes a tools agnostic approach, which allows us to work with your existing in-house solutions. We also have our own proprietary solutions and work with today's leading TDM providers.

Critical Test Data Management functions include:

Requirements Gathering
Work with the existing team on data-specific requirements

Range Locking
Provision of data to a specific user so it will not be used by another

Masking
Scrub personal data for testing, while maintaining referential integrity

Cloning
Duplicate data sets quickly

Mining
Search data based on your business rules

Setting
Find data based on the test cases requirements

Virtualizing
Use in virtual environments

Not sure where to begin? Let us do a Test Data Readiness Assessment which will identify gaps in your current processes.

Our Subject Matter Experts can come on site or work remotely in the assessment process. Upon completion you will have a detailed report complete with recommendations on how to proceed. Every situation is different.

About Mphasis

Mphasis (BSE: 526299; NSE: MPHASIS) applies next-generation technology to help enterprises transform businesses globally. Customer centricity is foundational to Mphasis and is reflected in the Mphasis' Front2Back™ Transformation approach. Front2Back™ uses the exponential power of cloud and cognitive to provide hyper-personalized ($C = X2C_{TM}^2= 1$) digital experience to clients and their end customers. Mphasis' Service Transformation approach helps 'shrink the core' through the application of digital technologies across legacy environments within an enterprise, enabling businesses to stay ahead in a changing world. Mphasis' core reference architectures and tools, speed and innovation with domain expertise and specialization are key to building strong relationships with marquee clients. To know more, please visit www.mphasis.com