Data Masking with Delphix

Services Catalog

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Why TDM?

Test Data Management (TDM) is the practice of applying a structured and centralized approach to the management of test data at an enterprise level, in order to reduce cost while increasing efficiency and quality in development and testing. Accordingly, organizations are looking to implement TDM solutions that provide a systematic approach to finding, making and provisioning test data, on demand, at any point within an Agile sprint and throughout the software development lifecycle (SDLC).

Orasi's TDM services will meet the following objectives:
- **Quality**
  - *Fewer data incidents:* improved data coverage during test cycles
  - *Engineered solution:* provides a robust and repeatable solution for test data
- **Value**
  - *Efficiency:* better time to market with improved application reliability
  - *Security:* masked test data are not a risk for data breaches
  - *Reduced schedule risk:* tools and processes to quickly and easily manage test data and environments
- **Process**
  - *TDM coaching:* change management specialists to help transition your organization
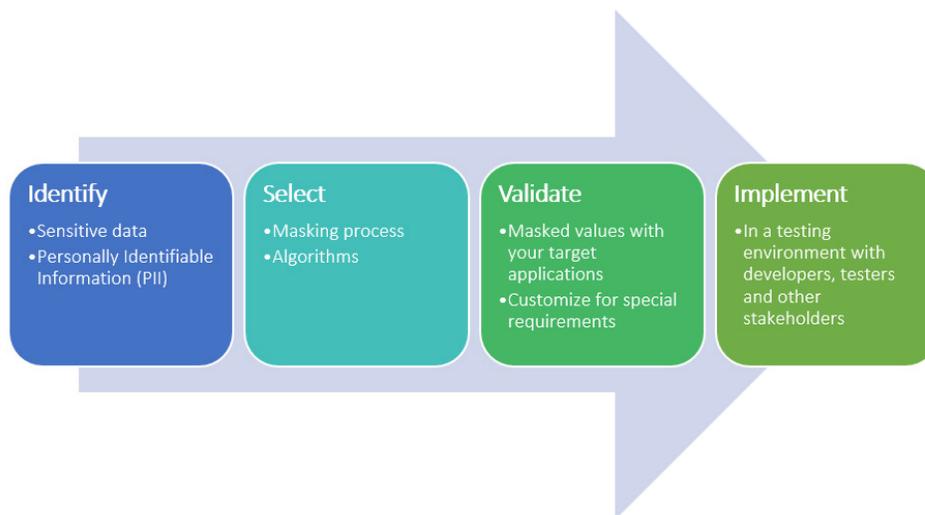 - *Roadmaps:* consultants onsite create a custom vision for your success

Rich Data Generation

Masked Data

Mainframe Support

TDM

Optimal Test Cases

DevOps Ready

Data Analysis

Roadmaps & Coaching

TDM Approach

Delphix for TDM

Delphix is the fastest and safest way to deliver data to your test environments. Running as a virtual machine on any server or cloud, Delphix virtualizes data in databases, file systems, and applications and delivers up-to-date virtual copies for testing on demand. Delphix also automatically integrates masking to protect your data and requires a fraction of the storage space of full, physical copies.

Mask Your Sensitive Data Quickly and Easily

Delphix allows you to mask your sensitive data in a friendly process. Once you identify what data you want to mask, you create your rules and Delphix does the rest.

Identify	Select	Validate	Implement
•Sensitive data •Personally Identifiable Information (PII)	•Masking process •Algorithms	•Masked values with your target applications •Customize for special requirements	•In a testing environment with developers, testers and other stakeholders

Deliver Test Data in Minutes

Data delivery in legacy systems often drags on for days, weeks or months, making QA teams wait more than they work, when they could complete testing cycles in minutes or hours.

Delphix provides developers and QA engineers with virtual test datasets on demand– from small subsets to complete copies of multi-terabyte sources.

Automatically Secure Test Data

Legacy data masking solutions require multiple lengthy batch jobs to secure production data, and they lack sufficient delivery capabilities for downstream environments.

Delphix seamlessly integrates data masking with virtual data–whether on premise or in the cloud–to deliver secure data up to 100 times faster, while ensuring compliance and providing protection against data breach.

Shorten Test/Fix Cycles
Traditional data delivery creates lag time between various rounds of testing, fixing bugs, and re-testing. It also complicates collaboration or replication of errors.

With Delphix, testers can instantly refresh data to reflect the latest state of a production application. They can also browse and retrieve datasets from a library of test data, or bookmark an environment containing an error to more easily share it with a developer. This level of data control allows organizations to marry TDM with DevOps or other emerging technologies, and to collaborate more efficiently throughout the development cycle.

Mask your data quickly and easily. With Delphix just identify the data you want to mask, create your rules, and Delphix does the rest.

Deliver test data in minutes.
Delphix provides virtual test datasets on demand— from small subsets to complete copies of multi-terabyte sources.

Improve testing by using the right datasets.
Delphix works with all types of test data, accelerating the delivery of subsets or synthetic data when you need it, while just as easily provisioning complete copies of real data.

Automatically secure test data.
Delphix seamlessly integrates data masking with virtual data – whether on premise or in the cloud – to deliver secure data up to 100 times faster, while ensuring compliance and providing protection against data breach.

Shorten test/fix cycles.
With Delphix, testers can instantly refresh data to reflect the latest state of a production application. They can also browse and retrieve datasets from a library of test data, or bookmark an environment containing an error to more easily share it with a developer.

Enablement Phases

1. TDM Process Review
2. TDM Process Implementation
3. TDM Continuous Improvement

TDM Process Review

Objective
The highest level goal is to determine the areas in which the client needs the greatest assistance for Test Data Management. The results will allow for recommendation on next steps to be made.

The results from this will include:
- Analysis of existing TDM strategy
- Current TDM pain points
- Upcoming projects and their TDM requirements

Recommendation
Pre-Requisites: Assessment must be completed prior to recommendation being delivered.
Actions: Recommendation is designed to resolve current and future TDM issues based on the client's priorities.

TDM Process Implementation

Objective
Based on the results of the Process Review, we will recommend the tools needed to be implemented. The different schemas could be:
- Delphix Environment Virtualization
- Delphix Masking

Recommendation
For better results, the TDM Process Review should be done before starting this phase.

TDM Continuous Improvement

Objective
Follow up on the TDM Process used by the client, to ensure that it's still covering all the client's needs, and implement changes as required.

Recommendation
A new analysis process is required to identify improvement points, to ensure the optimal results set.

Services

Orasi offers a number of different services options to our clients. The following can be combined and customized to suit your needs. Here, we have outlined the recommended approach.

Service Option: Implementing DaaS/Masking

Orasi would provide the role of the Test Data Management team implementing Data as a Service (DaaS) and/or Masking solutions.
- **Timeframe:** 2 weeks-6 months
- **Location:** On site and remote (on site initially, option of remote afterwards)
- **Resources:** 1 Orasi resource per 5 client resources
- **Requirements:**
  - Grid-Tools applications and repositories are already installed

Service Option: Fundamentals

Orasi would deliver training on how to use Data as a Service (DaaS) and/or masking solution.

- **Timeframe:** 4 days
- **Location:** At client site
- **Resources:** 1 trainer per 5 trainees
- **Requirements:**
  - AWS/VMWare instance provisioned by client or ability to install training environment on trainees' laptops

Service Option: Mentoring

Orasi would deliver continued training on how to get Delphix up and running for the determined applications within scope.

- **Timeframe:** 2-6 weeks
- **Location:** On site and remote
- **Resources:** 1-2 resources for a pilot implementation
- **Requirements:**
  - AWS/VMWare instance provisioned by client

Service Option: Consulting

Orasi would implement, architect and deliver training on how to get Delphix up and running for the determined applications within scope.

- **Timeframe:** 3-6 months as determined by SOW
- **Location:** On site and remote
- **Resources:** Determined by the number of tables to mask and databases to support
- **Requirements:**
  - AWS/VMWare instance provisioned by client

For more information, contact Orasi today.

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