Delphix for Test Data Management

Deliver test data in an automated and secure manner to meet today’s evolving application development challenges

**CHALLENGE**

Many large IT organizations have gained economies of scale by centralizing test data management (TDM), often through the use of tools that subset, mask, and synthesize test data. However, with the growing number of application projects, a new set of challenges has emerged. In particular, most TDM teams still rely on a slow, ticket-driven request-fulfill model in which testers often find their requests queuing behind others. As a result, many of the TDM benefits related to developer productivity and software quality remain largely untapped. To address evolving application development challenges, operations teams must expand the charter of traditional TDM to improve data distribution, automate manual processes, and enable self service. TDM is no longer a back-office function, but a critical business enabler for enterprise agility, security, and efficiency.

**SOLUTION**

The Delphix Dynamic Data Platform enables companies to release applications faster by delivering virtual data on demand. Virtual test data copies—packaged into personalized data pods—can be delivered to end users 99% faster and using 90% less space than physical data. Administrators can also secure any sensitive data in pods before they are made available to end users through integrated data masking. Finally, the Delphix platform provides testers with dynamic data controls—including the ability to refresh, rewind, bookmark, and branch test data as a self service—to drive massive increases in productivity and application quality.

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**Before**

- Submit request
- Approve request
- Ready environment
- Restore, configure database

**After**

- Active
- Inactive
FEATURES

**Automation.** Delphix automates the steps for provisioning test data—such as target database initialization, configuration, and validation—so that it can be delivered in minutes.

**Self service.** Automation is the key to self-service data management for developers. The Delphix platform provides a dedicated UI portal for testers with dynamic data controls such as the ability to bookmark, share, reset, and branch virtual datasets.

**Version control.** Delphix keeps a granular record of all changes—to both the data source and its copies—via integrated log shipping. Data operators can quickly provision test data from any point in time, ensuring that developers have access to high-fidelity data. Developers can easily version their data like code, improving release management.

**Full security.** Delphix irreversibly replaces sensitive data with fictitious yet realistic values, neutralizing the risk of data breach in test environments. Delphix also completes the end-to-end masking process by automating the discovery and auditing of sensitive data.

**Integrated masking and distribution.** By tightly coupling masking with data distribution, Delphix can effectively protect sensitive data without compromising speed and agility.

**Space-efficient provisioning.** Full-size copies of test data consume storage, often leading many IT organizations to rely on subsetting. With Delphix, full-size virtual copies can be provisioned in a fraction of the space of subsets, improving test quality and reducing the number of defects encountered late in development.

**Data archiving.** Repositories of test data are expensive to store and maintain, but are often required to test multiple release versions. Delphix makes it feasible to maintain version-controlled libraries of test data by optimizing storage use and enabling fast retrieval.

**Toolset integration.** The Delphix Dynamic Data Platform is the delivery mechanism for all types of test data—including data that has been masked, subsetted, or generated using other tools. Delphix also integrates with automated testing tools.

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KEY BENEFITS

- **Repeatable processes**
  Enable fast, repeatable data distribution with automation and self service.

- **Frictionless security**
  Accelerate application testing while ensuring the highest levels of data privacy and regulatory compliance with integrated data masking and delivery.

- **Lower infrastructure costs**
  Virtual test data occupies 90% less space than physical data, reducing the footprint of storage required to support testing activities.

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ABOUT DELPHIX

Delphix’s mission is to free companies from data friction and accelerate innovation. Fortune 100 companies use the Delphix Dynamic Data Platform to connect, virtualize, secure and manage data in the cloud and in on-premise environments. For more information visit [www.delphix.com](http://www.delphix.com).

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