Delphix Data Masking

Protect sensitive data across the enterprise

CHALLENGE

With data breach incidents regularly making the news and increasing pressure from regulatory bodies and consumers alike, organizations must protect sensitive data across the enterprise. Contending with insider and outsider threats while staying compliant with mandates such as HIPAA, PCI, and GDPR is no easy task—especially as IT teams simultaneously try to make their organizations more agile.

To tackle the problem of protecting sensitive information, companies are increasingly scrutinizing the tools they've deployed. Instead of reactive perimeter defenses, security-minded organizations must focus on proactively protecting the interior of their systems: their data. Moreover, while mainstay approaches such as encryption may be effective for securing data-in-motion or data resident in hard drives, they are ill-suited for protecting non-production environments for development, testing, and reporting.

ENSURE PRIVACY AND SECURITY

The masking capability of the Delphix Dynamic Data Platform represents an automated approach to protecting non-production environments, replacing confidential information such as social security numbers, patient records, and credit card information with fictitious, yet realistic data.

Unlike encryption measures that can be bypassed through schemes to obtain user credentials, masking irreversibly protects data in downstream environments. Consistent masking of data while maintaining referential integrity across heterogeneous data sources enables Delphix masking to provide superior coverage compared to other solutions—all without the need for programming expertise. Moreover, the Delphix platform seamlessly integrates masking with data delivery capabilities, ensuring the security of sensitive data before it is made available for development and testing, or sent to an offsite data center or the public cloud.

"I don't think there's any data masking solution as simple and complete to use as Delphix. We could implement the solution ourselves with basic Delphix support."

ANDRE NAZARE
IT Director at Sky.com

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KEY FEATURES

End-to-End Masking. The Delphix platform automatically detects confidential information, irreversibly masks data values, then generates reports and alerts to ensure that all sensitive data has been masked.

Realistic Data. Data masked with the Delphix platform is production-like in quality. Masked application data in non-production environments remains fully functional and realistic, enabling the development of higher-quality code.

Masking Integrated with Virtualization. Most masking solutions fail due to the need for repeated, lengthy batch jobs for extracting and masking data and lack delivery capabilities for downstream environments. The Delphix Dynamic Data Platform seamlessly integrates data masking with data virtualization, allowing teams to quickly deliver masked, virtual data copies on premises or into private, public, and hybrid cloud environments.

Referential Integrity. Delphix masks consistently across heterogeneous data sources. To do so, metadata and data is scanned to identify and preserve the primary/foreign key relationships between elements so that data is masked the same way across different tables and databases.

Algorithms/Frameworks. Seven out-of-the-box algorithms help businesses mask everything from names and social security numbers to images and text fields. Algorithms can be configured or customized to match specific security policies. Moreover, the Delphix platform includes pre-packaged masking framework sets for healthcare and financial information, as well as the ability to perform tokenization: a process that can be used to obfuscate data sent for processing, then reversed when the processed data set is returned.

Ease of Use. With a single solution, Delphix customers can mask data across a variety of platforms. Moreover, businesses are not required to program their own masking algorithms or rely on extensive administrator involvement. Its web-based UI enables masking with just a few mouse clicks and no training.

SUPPORT (AS OF V5.1.8)

- **Distributed Databases:** Oracle, SQL Server, DB2, ASE, MySQL, PostgreSQL, MS Access, MariaDB
- **Mainframe:** DB2 and VSAM on z/OS, DB2 on iSeries (AS/400)
- **PaaS Databases:** Amazon Web Services RDS Oracle
- **Files:** XML, Excel, delimited, fixed-width

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.

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