# Delphix for HIPAA Compliance

Eliminate HIPAA Compliance Risk in Development and Testing Environments

Many healthcare organizations governed by the Health Insurance Portability and Accountability Act (HIPAA) have yet to address a key gap in their compliance and security programs: protecting non-production environments used for development, testing, and analytics.

Production systems are often well protected, but non-production databases are less scrutinized from a security perspective. These environments contain the majority of personally identifiable information (PII) and protected health information (PHI), often outnumbering production databases by a ratio of 5:1. In addition, more people have access to lower environments, multiplying sensitive data access risks.

20%
Production Data

80%
Non-Production Data

Non-production environments represent as much as 80% of the attack surface for breach
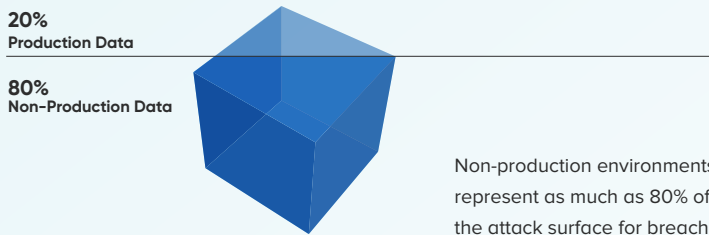
To ensure HIPAA compliance, healthcare organizations must anonymize PHI and PII so that it cannot identify a patient or member. This requirement extends to non-production environments, compelling teams to apply de-identification techniques such as data masking and tokenization to protect sensitive data values.

Delphix Automates HIPAA Compliance

Delphix Continuous Compliance automates sensitive data discovery and masking for non-production data, eliminating HIPAA risk.

PHI and PII Discovery: Identify and Assess HIPAA Risks

Continuous Compliance automates the discovery of PII such as names, email addresses, and social security numbers, as well as PHI such as health identification numbers and biometrics. Pre-configured discovery templates determine how much and where this data resides within non-production environments for an enterprise-wide view of HIPAA risk.
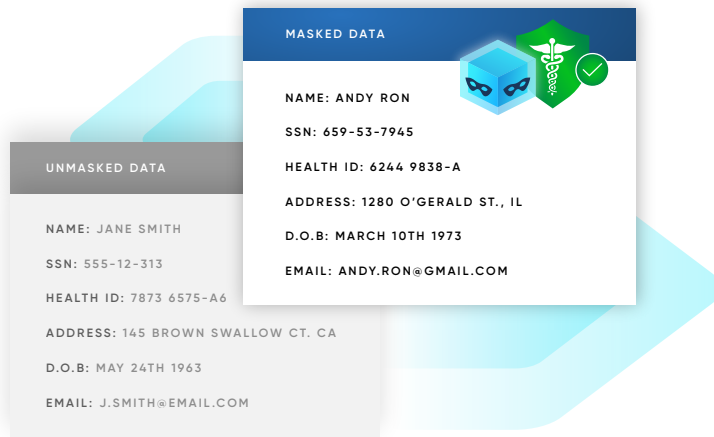
Delphix Key Capabilities

» Preconfigured PHI and PII discovery templates and compliance algorithms

» Fast masking for databases of any size—from terabytes to petabytes

» Maintains referential integrity of masked data across databases and clouds

» Support for all data sources including relational databases, unstructured data, and files

» No-code approach to operationalize masking in days

» Logging and reporting to support auditability

Data Masking: Irreversibly Anonymize PHI and PII

Once Continuous Compliance identifies PII and PHI, it recommends masking algorithms based on HIPAA provisions including the Safe Harbor Act. Delphix masking algorithms irreversibly transform sensitive data values into fictitious values, while preserving data realism for high quality development and testing. Tokenization can be used if data re-identification is required.

Deterministic algorithms enable consistent masking outputs to maintain referential integrity across data sources and clouds. This ensures accurate integration testing and analytics.

MASKED DATA

NAME: ANDY RON

SSN: 659-53-7945

HEALTH ID: 6244 9838-A

ADDRESS: 1280 O'GERALD ST., IL

D.O.B: MARCH 10TH 1973

EMAIL: ANDY.RON@GMAIL.COM

UNMASKED DATA

NAME: JANE SMITH

SSN: 555-12-313

HEALTH ID: 7873 6575-A6

ADDRESS: 145 BROWN SWALLOW CT. CA

D.O.B: MAY 24TH 1963

EMAIL: J.SMITH@EMAIL.COM

With referential integrity, Jane Smith with a health identity number of 7873 6575-A will always be Andy Ron with a health identity number of 6244 9838-A no matter where the data resides.

For very large databases, Delphix Hyperscale Compliance scales to mask any volume of data, from terabytes to petabytes. Hyperscale Compliance splits datasets into smaller files that are then masked in parallel, reducing time to compliance from weeks to hours.

Data Masking Combined with Data Delivery

Delphix masking can be combined with Delphix Continuous Data for delivering masked, virtual copies of data into CI/CD pipelines. This API-first platform approach to masked data delivery enables teams to deliver, refresh, bookmark, rewind, and share compliant data to accelerate development.

Industry Leaders Mitigate HIPAA Risk with Delphix

Select Health is bringing healthcare solutions to market faster without risking HIPAA non-compliance.

- » Compliance with HIPAA in dev/test environments on Oracle, MSSQL, and ASE
- » Secure data sharing for 10x greater partner engagement
- » Reduced time to deliver compliant data from 4-5 days to minutes

Molina adopted Continuous Compliance for securing PHI in non-production environments.

- » Automatically masked PHI
- » Onboarded over 3000 databases (1+ PB data) onto Delphix
- » Reduced time to deliver compliant data from 2-3 days to 9 minutes

Delphix is the industry leader for DevOps test data management.

Businesses need to transform application delivery but struggle to balance speed with data security and compliance. Our DevOps Data Platform automates data security, while rapidly deploying test data to accelerate application releases. With Delphix, customers modernize applications, adopt multicloud, achieve CI/CD, and recover from downtime events such as ransomware up to 2x faster.

Leading companies, including Choice Hotels, Banco Carrefour, and Fannie Mae, use Delphix to accelerate digital transformation and enable zero trust data management.
Visit us at www.delphix.com.