

# eInfoGuard<sup>®</sup>

## Data De-Identification Solution



## Electronic Information Guard | Data Masker

Edios Electronic Information Guard is a data-masking tool, which provides the capability of ensuring privacy for data while maintaining high data utility. Our revolutionary Data Masking solution “*eInfoGuard*” provides an efficient, cost effective and flexible solution to mask all your data individually – offering unparalleled security while maintaining complete usability.

### Overview

The Health Insurance Portability and Accountability Act of 1996 (HIPAA) Privacy Rule mandates the de-identification of specific types of Protected Health Information (PHI) for covered entities and their business associates.

The growing security threats have increased the need to limit exposure of sensitive information. At the same time, copying Production Data into Non-Production Environments such as Staging, Test, Training and Development is proliferating sensitive data expanding the security and compliance boundary and increasing the likelihood of data breaches.

Test and development environments are one of the potential targets for an attack as they generally contain copies of production data. Because such environments are typically not as protected or monitored as production systems, so organizations need to de-identify the data before coping into non-production environments.

Many organizations inadvertently breach information when they routinely copy sensitive or regulated production data into non-production environments. As a result data in non-production environment has increasingly become the target of cyber criminals and can be lost or stolen. Just like data breaches in production environments, data breaches in non-production environments can cause millions of dollars to remediate and cause irreparable harm to reputation and brand.

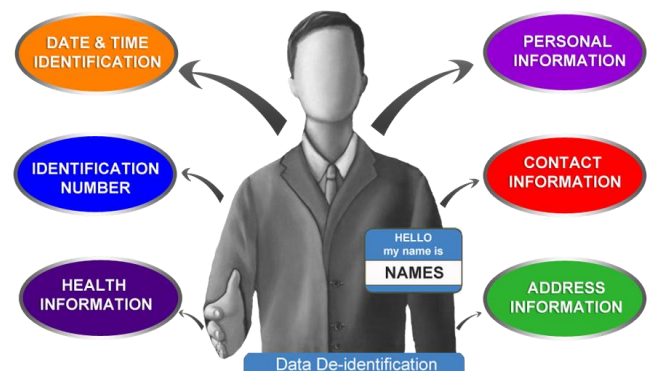
Edios “*eInfoGuard*” Data Masking & Anonymization Comprehensive Solution can be used to de-identify Non-Production Environments by using various masking techniques.

### eInfoGuard – Data Masking Drivers

- ✓ Regulatory compliance with privacy Regulations
- ✓ Protect sensitive data from unnecessary internal exposure
- ✓ Protect from external service providers
- ✓ Market conditions and implications for information security

### eInfoGuard – Solution Highlights

- ✓ Compliance Focus (HIPAA & LAW)
- ✓ Risk Mitigation
- ✓ User-Friendly, Powerful and Flexible
- ✓ Various data masking and Anonymization techniques
- ✓ Supports Multiple Databases (MS SQL, Oracle, Sybase & MySQL)





## eInfoGuard – Data De-Identification Steps



### Identification

This step involves the identification of sensitive or regulated data across the entire enterprise by business or security analysts. The goal of this exercise is to come up with the comprehensive list of sensitive data elements specific to the organization and discover the associated tables, columns and relationships across enterprise databases that contain the sensitive data.



### Review

This step involves the review of data de-identification techniques or algorithms to be applied to the identified list of sensitive data elements by Developers or DBAs and Business or Security analysts. Review is very important part of the de-identification data masking solution.



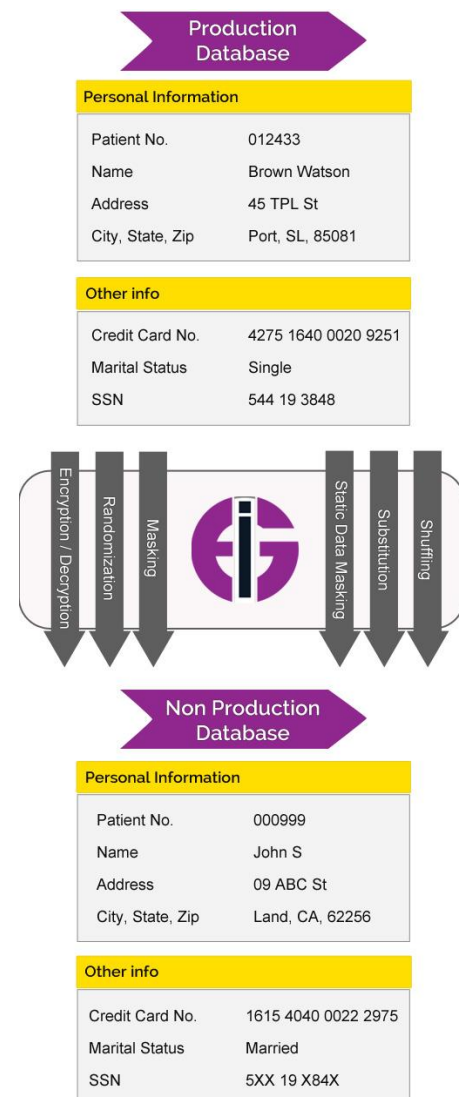
### Configuration

This step involves the configuration of various Data Masking & Anonymization rules, techniques or algorithms to the identified list of sensitive data elements by developers or DBAs for data de-identification.



### Execution

This step involves the execution of Data De-Identification rules into cloned Production Data and validation by production users to make sure that Non-Production System is working fine without any issues and data is de-identified properly.



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## About EDIOS

EDIOS is a forward minded software and technology services company with various Software Products in Healthcare Domain. Our services and solutions help clients implement business strategies, improve performance, increase efficiency, and deliver changes effectively. This includes managing projects, taking responsibility for business processes, and facilitating business growth through innovation and application of technology. Headquartered in Salt Lake City (U.S.), EDIOS combines a passion for client satisfaction, technology innovation, deep industry and business process expertise, and a global, collaborative workforce that embodies the future of work. EDIOS has established strong relationship with US Health Sector clients by providing software products and solutions in leading software technologies. For more details, please visit our Web Site [www.edios.global](http://www.edios.global)

## Our Products, Solutions & Services

- ✓ Healthcare Intra-operability Solution
- ✓ EMR, LIMS & Other 3<sup>rd</sup> Party Systems Integration
- ✓ Registry Management System (RMS)
- ✓ Electronic Patient Referral System (EPRS)
- ✓ Mobile App Development (Android, iOS & Windows)
- ✓ Web App Development (Java, ASP.Net & PHP)
- ✓ OS (Windows & Linux)
- ✓ Database (MySQL, MS SQL, Oracle & Sybase)
- ✓ Customer Support (Level 1, 2 & 3)
- ✓ Data Analytics
- ✓ Data Migration



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