

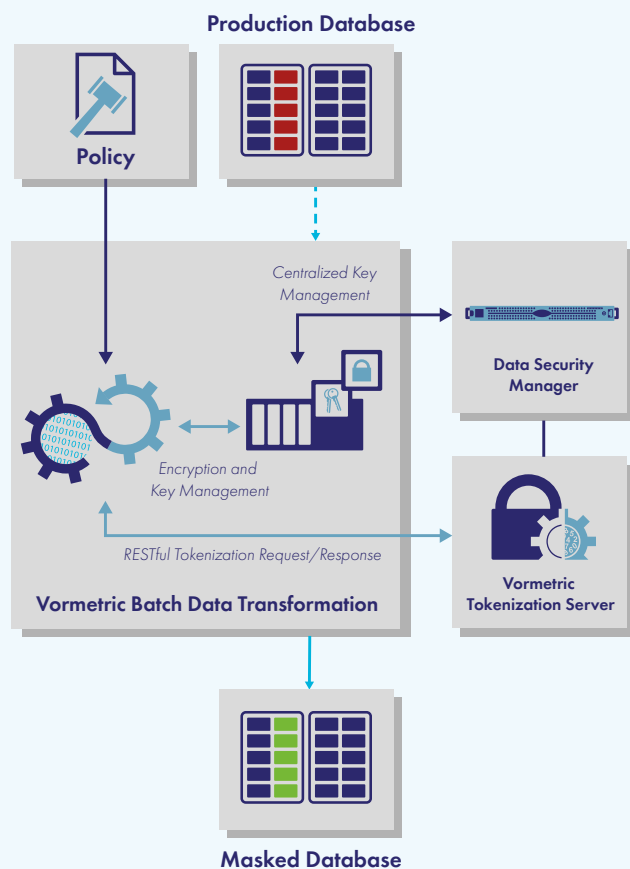
ACCELERATE AND SIMPLIFY DATABASE ENCRYPTION, TOKENIZATION AND MASKING

- Accelerate transformation of existing sensitive data
- Comply with advanced data protection mandates with efficient data rekeying
- Facilitate offline data analysis without exposing sensitive information
- Eliminate risk when sharing data with third parties

«Thales eSecurity»

VORMETRIC BATCH DATA TRANSFORMATION

Secure, policy-based data transformation and rekey service for sensitive data in files and databases



DATA SECURITY IMPERATIVES

Data protection requirements grow while digital transformation initiatives drive new data uses and locations. Data warehouses and big data on premises and in the cloud enable faster analysis and decision-making. DevOps require local copies of production databases at scale to ensure performance and scalability of rapidly-evolving applications. Outsourced data scrubbing and analysis enhances efficiency while lowering costs. In all of these cases, it is imperative to protect personally-identifiable information (PII). When present, Primary Account Numbers (PAN) and payment fields must be protected to comply with Payment Card Industry Data Security Standards (PCI-DSS).

Modern use cases can be leveraged with comprehensive data protection with Vormetric Batch Data Transformation from Thales eSecurity.

BATCH DATA TRANSFORMATION OVERVIEW

Vormetric Batch Data Transformation is based on both Vormetric Application Encryption and Vormetric Tokenization with Dynamic Data Masking. Installed on a server already equipped with Vormetric Application Encryption, Batch Data Transformation utilizes Vormetric Application Encryption locally for encryption and key management and communicates with the Vormetric Tokenization Server for tokenization and data masking services.

VORMETRIC BATCH DATA TRANSFORMATION

DATA SECURITY FOR DIGITAL TRANSFORMATION

Vormetric Batch Data Transformation leverages Vormetric data protection technologies to offer:

- Encryption or tokenization of a database before using Vormetric Tokenization or Vormetric Application Encryption on new database records
- Rapid data rekeying
- Safe database or data extract sharing with big data consumers, developers or third parties

Vormetric Batch Data Transformation is easy to deploy and use. Transformation policies are defined in JSON-based configuration files. Batch Data Transformation encrypts, decrypts or tokenizes large volumes, (up to terabytes) of data quickly. Individual transformation instructions may be applied on a field-by-field basis, varying, between, for example, format-preserving encryption or reversible or one-way tokenization. The product can transform flat files, Oracle, Microsoft SQL Server, MySQL, or DB2 databases.

Vormetric Batch Data Transformation is a component of the Vormetric Data Security Platform, leveraging the Vormetric Data Security Manager for centralized key and encryption policy management.

KEY FEATURES

- Supports field-level encryption or tokenization. Both AES-CBC and FF1-based format-preserving encryption are supported. Reversible or one-way tokenization also available
- Supports mainstream databases: Oracle, Microsoft SQL Server, MySQL, and DB2
- Transformation source can be a production database
- Data filtering to create destination record subsets
- Convenient JSON-based configuration files for fast deployment

KEY ADVANTAGES

- Enables new data uses with flexible security
- Accelerates deployment of Vormetric Tokenization with Dynamic Data Masking or Vormetric Application Encryption
- Leverages and expands existing investments in the Vormetric Data Security Platform

FULFILL YOUR DATA PROTECTION REQUIREMENTS

Thales eSecurity simplifies securing your digital transformation to new data use cases and helps achieve compliance with data security regulations. Vormetric Data Security Platform products operate seamlessly in the cloud and on your premises with centralized policy and key management.

LEARN MORE

Visit us at www.thalesecurity.com to learn how our advanced data security solutions and services deliver trust wherever information is created, shared or stored.

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