

# Vormetric Tokenization Solutions

## THE CHALLENGE: ANONYMIZING DATA FOR SECURITY AND COMPLIANCE

For today's security teams, it seems virtually everything is proliferating, including the volume and sophistication of threats, the amount of data and repositories that need to be secured, and the number of mandates and tools that have to be supported.

All this proliferation continues to place increasing demands on security teams—but these teams don't see their time, staffing, or budgets undergoing any commensurate expansion. To contend with these realities, many security professionals have explored the use of tokenization, which has the potential to provide a convenient way to protect sensitive assets in databases and big data architectures, including those hosted on premises and in the cloud.

While tokenization offers the potential to address a wide range of security and compliance objectives, traditional tokenization tools have been far too complex, costly, and introduced too much of a performance hit on applications. More than ever, security teams need to be able to leverage the benefits of tokenization—and they need to do so in a consistent, efficient, high performance, and cost effective manner.

## THE SOLUTION: FAST, FLEXIBLE, AND EASY TOKENIZATION

For years, customers have trusted Vormetric technologies to assist them in maximizing the security of sensitive assets, while minimizing the cost and effort associated with security administration. Today, many of the largest and most security-conscious organizations in the world rely on the Vormetric Data Security Platform for file encryption, field-level encryption, privileged user access controls, file access logging, and tokenization.

The Vormetric Data Security Platform features tokenization products that can dramatically reduce the cost and effort associated with complying with security policies and the Payment Card Industry Data Security Standard (PCI DSS). With Vormetric Tokenization with Dynamic Data Masking, your organization can efficiently address its objectives for securing and anonymizing sensitive assets and cardholder records—whether they reside in the data center, big data environments, or the cloud.

## KEY FEATURES

- Meet regulatory requirements
- Return partially masked records based on policy
- Protect credit card data, Social Security numbers, driver's licenses, and more
- Scale on demand with virtual appliances
- Experience non-intrusive deployment and simple management



## KEY BENEFITS

- Leverage a single platform for tokenization, masking, encryption, and access control
- Reduce PCI DSS compliance scope, effort, and costs
- De-identify sensitive data before it reaches the cloud, big data environments, or outsource partners
- Vaulted and vaultless options enable optimized deployments in a range of environments
- High performance



## PRODUCTS

- Vormetric Tokenization Server
- Vormetric Vaultless Tokenization Server

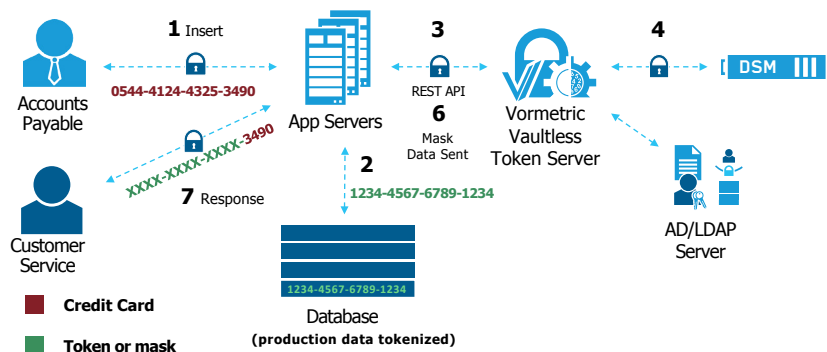


## ESTABLISH TOKENIZATION WITH MINIMAL DISRUPTION AND EFFORT

Vormetric Tokenization makes it easy to use format-preserving tokenization to protect sensitive fields in databases. The solution features two alternatives: The Vormetric Token Server can be employed when a secure token vault is required or the Vormetric Vaultless Token Server can be used in environments that require the highest performance and scale. Both products are virtual appliances that tokenize records and manage access to tokens and clear-text data. With either solution, applications use REST APIs to send tokenization requests, which streamlines the process of implementing and managing tokenization. In addition, these products eliminate the complexity of adding policy-based dynamic data masking to applications.

Vormetric Tokenization delivers the following advantages:

- **Streamlined application integration.** The Vormetric solution employs tokenization at the application layer and it streamlines all the application development efforts associated with implementing tokenization in an enterprise.
- **Dynamic data masking.** Administrators can establish policies to return an entire field tokenized or dynamically mask parts of a field. For example, a security team could establish policies so that a user with customer service representative credentials would only receive a credit card number with the last four digits visible, while a customer service supervisor could access the full credit card number in the clear.
- **Non-disruptive implementation.** With the solution's format-preserving tokenization capabilities, you can restrict access to sensitive assets without changing the existing database schema. The REST API implementation makes it fast, simple, and efficient for application developers to institute sophisticated tokenization capabilities.



*The Vormetric Vaultless Token Server can tokenize sensitive data and dynamically mask tokenized fields according to defined policies*

## TECHNICAL SPECIFICATIONS

- Application integration via REST API
- Luhn support
- Token options:
  - Random and sequential tokens
  - Single and multi-use tokens
  - Numeric and alphanumeric
  - Partial tokenization
  - Dynamic data masking
  - Multi-merchant support
- Deployment options:
  - Vaultless
  - Vaulted
- LDAP / Active Directory integration
- Virtual appliance



## ABOUT VORMETRIC

A leader in data security solutions, Vormetric (@Vormetric) protects data-at-rest in physical, virtual, big data and cloud environments. Trusted by businesses and governments for over a decade, the Vormetric Data Security Platform secures the data of more than 1,500 global enterprises—including 17 of the Fortune 30. With Vormetric, a single infrastructure and management environment protects data wherever it resides with file, volume and cloud storage encryption, tokenization with dynamic data masking, field-level application encryption, sophisticated access control policies, third party and integrated encryption key management. For more information, please visit: [www.vormetric.com](http://www.vormetric.com).

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