

Vormetric Vaultless Tokenization with Dynamic Data Masking

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 and 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: VAULTLESS TOKENIZATION VIA RESTFUL APIS

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 regulatory mandates like the Payment Card Industry Data Security Standard (PCI DSS). With Vormetric Vaultless 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

- Leverage RESTful APIs to streamline implementation
- 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
- High performance
- Meet regulatory requirements

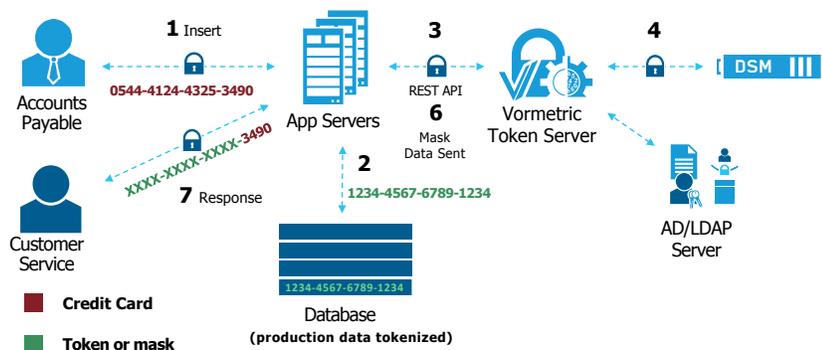


ESTABLISH TOKENIZATION WITH MINIMAL DISRUPTION AND EFFORT

Vormetric Vaultless Tokenization makes it easy to use format-preserving tokenization to protect sensitive fields in databases. The solution can be used in environments that require the highest performance and scale, featuring a virtual appliance that tokenizes records and manages access to tokens and clear-text data. With the solution, applications use REST APIs to send tokenization requests, which streamlines the process of implementing and managing tokenization. In addition, the solution eliminates the complexity of adding policy-based dynamic data masking to applications.

Vormetric Vaultless 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 solution's REST API implementation makes it fast, simple, and efficient for application developers to institute sophisticated tokenization capabilities.



The Vormetric Token Server can tokenize and dynamically mask sensitive data according to defined policies

ABOUT VORMETRIC, A THALES COMPANY

Vormetric (@Vormetric) is the industry leader in data security solutions that span physical, virtual and cloud environments. Data is the new currency and Vormetric helps over 1,500 customers, including 17 of the Fortune 30 and many of the world's most security conscious government organizations, to meet compliance requirements and protect what matters—their sensitive data—from both internal and external threats. The company's scalable Vormetric Data Security Platform protects any file, any database and any application—anywhere it resides—with a high performance, market-leading data security platform that incorporates application transparent encryption, privileged user access controls, automation and security intelligence. Please visit: www.vormetric.com and find us on Twitter @Vormetric.

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