

CipherTrust Tokenization



Anonymizing Data for Security and Compliance

Tokenization reduces the cost and effort required to comply with internal security policies and regulatory mandates such as the European Union’s Global Data Protection Regulation (GDPR) and the Payment Card Industry Data Security Standard (PCI-DSS).

CipherTrust Tokenization offers application-level tokenization services in two convenient solutions that deliver complete customer flexibility: Vaultless Tokenization with Dynamic Data Masking and Vaulted Tokenization. Both solutions secure and anonymize sensitive assets—whether they reside in the data center, big data environments or the cloud.

Key Advantages

Efficiently Reduce PCI DSS Compliance Scope

Tokenization can remove card holder data from PCI DSS scope, saving on costs associated with compliance.

Protect Personally Identifiable Information (PII)

With CipherTrust tokenization, PII protection is gained without encryption key management by the software developer

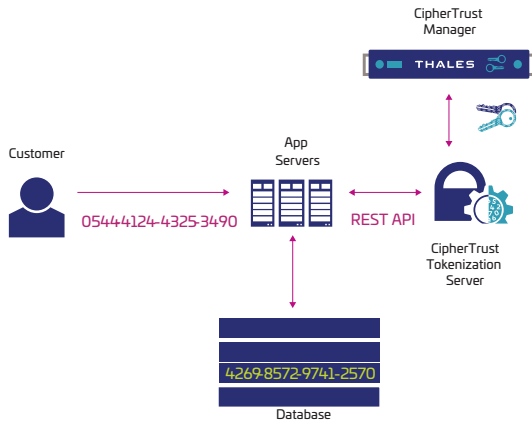
Architect for Your Requirements: Vaultless or Vaulted, and Cloud-Friendly

Both CipherTrust Tokenization solutions leverage CipherTrust Manager as a secure encryption key source. All-software, cloud friendly, is readily available, including with FIPS 140-2 Level 3 Root of Trust.

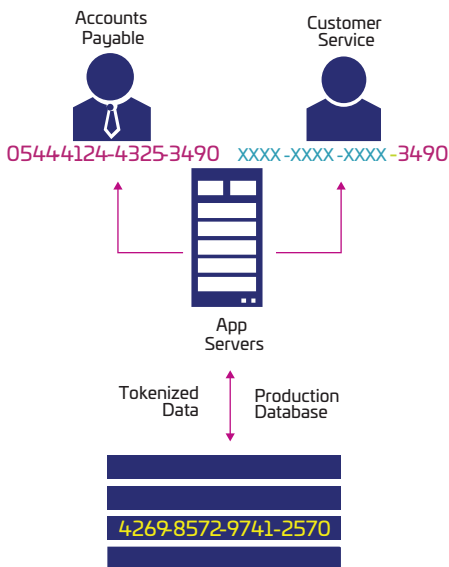


Vaultless Tokenization

CipherTrust Vaultless Tokenization protects data at rest while its policy-based Dynamic Data Masking capability protects data in use. A RESTful API in combination with centralized management and services enables tokenization implementation with a single line of code per field. Vaultless Tokenization is provided by dedicated, distributed-cluster-capable Tokenization Servers, offering full separation of duties. Tokenization management and configuration including an operational dashboard with convenient tokenization configuration workflows occurs in a graphical user interface.



Dynamic Data Masking policies define whether a tokenized field is returned fully or partially masked based on user identification controlled by an AD or LDAP server. For example, the policies could enable customer service representatives to see only the last four digits of credit card numbers, while account receivables staff could access the full credit card number.

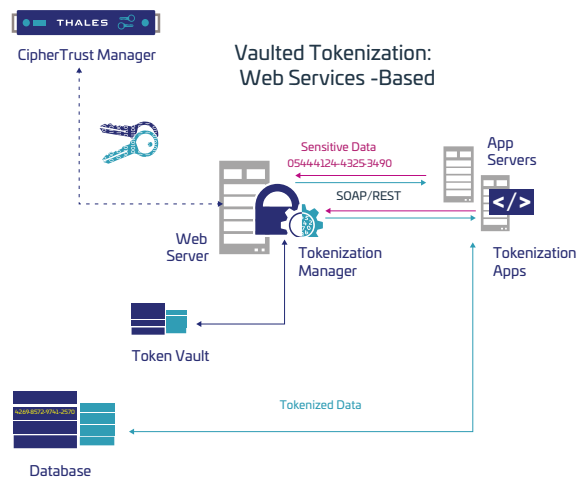
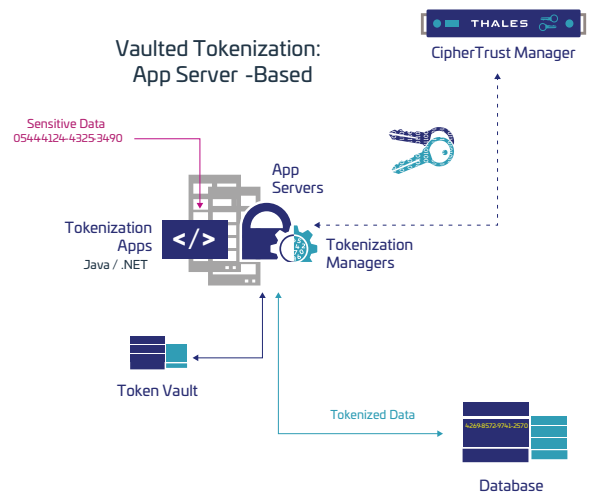


Vaulted Tokenization

CipherTrust Vaulted Tokenization offers non-disruptive format-preserving tokenization with a wide range of existing formats and the ability to define custom tokenization formats.

Vaulted Tokenization provides a high level of security for data with the most sensitivity.

Architectural Choice is available by deploying the Vaulted Tokenization infrastructure on each application server or deploying it centrally on a web server with application servers using simply RESTful APIs for tokenization.



CipherTrust Data Security Platform

CipherTrust Tokenization is part of the CipherTrust Data Security Platform, which unifies data discovery, classification, data protection, and unprecedented granular access controls, all with centralized key management. This simplifies data security operations, accelerates time to compliance, secures cloud migrations and reduces risk across your business. You can rely on Thales CipherTrust Data Security Platform to help you discover, protect and control your organization's sensitive data, wherever it resides.