

SAFENET TOKENIZATION

PRODUCT BRIEF

Benefits

PCI compliance—

- Meet regulatory compliance by securing credit card information with format-preserving tokenization.

Reduced audit costs—

- Save time and money by restricting the number of devices that need to be audited.

Broad data protection—

- Protect a wide range of data types in addition to credit card information, including bank transaction data, personal records, and more.

Across a range of industries, protecting confidential data such as bank account numbers, member IDs, and social security numbers is of vital importance. Encryption solutions based on the SafeNet DataSecure appliance can play a central role in protecting that data throughout its lifecycle, as it is created, accessed, stored, and shared. To add extra protection for confidential data while reducing the time and cost for achieving regulatory compliance, many organizations will benefit from integrating tokenization into their SafeNet solution.

SafeNet Tokenization helps supplement SafeNet encryption solutions by facilitating smooth application performance and transparent end-user operation while keeping encrypted information secure in one central location. For countries with data privacy laws that require sensitive data to remain in the country, SafeNet Tokenization offers the flexibility to store data offshore while still complying with laws. SafeNet Tokenization offers a range of integration options so you can protect multiple types of data without affecting critical IT components. SafeNet Tokenization also helps simplify audit compliance by reducing audit scope.

Format-preserving tokenization

Employed for online credit card transactions or transmission of other sensitive data, tokenization works by replacing sensitive data with tokens that retain essential information. With tokenization, you can enable databases, applications, and users to interact with sensitive data without exposing the clear text. Tokenization technology converts the sensitive data to an encrypted token in the same format as the original data, allowing the application to operate seamlessly. Masking features can also be maintained if a subset of the data needs to be available for authentication.

Audit-scope reduction

When facing an audit for PCI compliance, many organizations must certify regulatory compliance for each server where sensitive data resides. Because SafeNet Tokenization replaces sensitive data in databases and applications with tokens, there are fewer servers to audit. Reducing the scope of audits will help save you time and money.

Flexible data protection

SafeNet Tokenization can protect a broad range of information, from credit card numbers, national IDs, and medical records to vehicle driver information, voter registration, and electronic transactions. A variety of integration options give you the flexibility to choose the right security technique for your environment while enabling you to protect more data types without affecting business logic, database architecture, storage systems, or other critical enterprise components. SafeNet Tokenization also lets you move or replicate production data to test environments without having to de-identify or mask data. With SafeNet Tokenization, you can keep data protected without incurring any additional processing costs.

Technical Specifications

Token formats

- Masked data: XXXXX6789
- Data with dashes or spaces in it:
123-45-6789 or 123 45 6789

Token Formats

- Purely random digits
- Sequential
- First two
- First two/last four
- Fixed nineteen
- First six/last four
- Last four

Web and application servers supported

- IBM WebSphere, Oracle WebLogic, Microsoft IIS, BEA, Apache, Sun ONE, JBoss, SAP, and more

Databases supported for token storage

- Oracle, Microsoft SQL Server

Features

Format-preserving tokenization—Ensure transparent interactions with applications and users by defining the format of the unique value or token during assignment.

Token Formats—Choose from a range of token variations, by tokenizing random digits, sequential numbers, the first two or six digits, or the first two and the last four.

Support for an array of data types—Protect a full array of data, ranging from credit card numbers and member IDs to social security numbers and drivers license numbers.

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