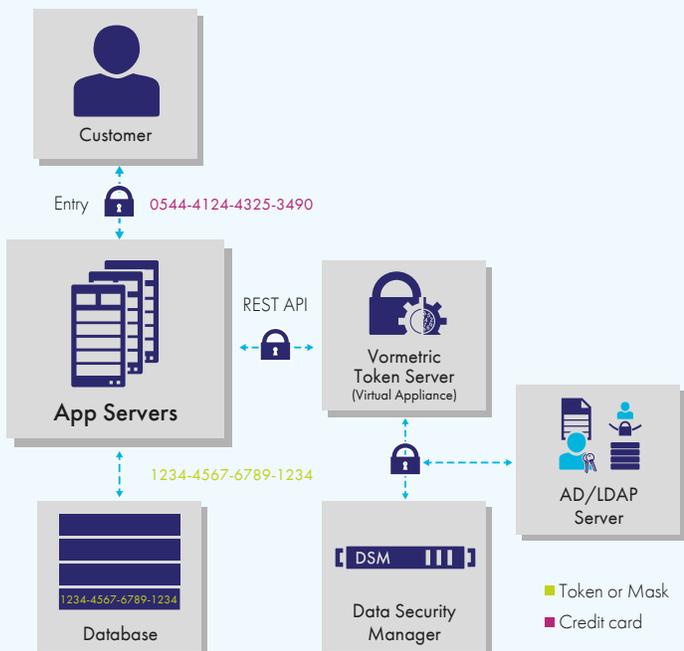


SAFEGUARDING SENSITIVE DATA FOR A SUCCESSFUL DIGITAL TRANSFORMATION

- Improves compliance with data privacy mandates
- Reduces the cost and effort to comply with policies and mandates
- Increases the security team's efficiency, freeing up resources to focus on other priorities
- Protects the organization's reputation and revenue against long-term damage
- Enhances data security strategies across environments and use cases, including cloud and data centers, whether data is at rest, in use or in motion

«Thales eSecurity»

PROTECTING SENSITIVE DATA with Thales eSecurity Tokenization Solutions



THE PROBLEM: PERSONAL DATA IS COMING UNDER INCREASING ATTACK FROM CYBER CRIMINALS

The historic and continual digital transformation is delivering some combination of increased efficiencies, improved decision-making, lower costs, improved reach, and higher profits. These gains though have come at a cost, especially when it comes to the increasing threats to personal data security. As the volume of sensitive data grows, so does the threat of cyber-crime. We have come to the point where, for cybercriminals, personal information residing on the web has become as valuable as cash currency.

THE CHALLENGE: FINDING AND DEPLOYING THE RIGHT TOOLS TO PROTECT PERSONAL DATA

Individuals and businesses have come to understand these threats and need to combat them, both for data security as well as for compliance reasons. Fortunately, valuable tools exist to help thwart personal data breaches. What tools to use and how to deploy them can depend on the type of data but mostly depends on the use case, or application.

COST EFFECTIVE AND SECURE GENERAL PROTECTION OF SENSITIVE DATA

THE SOLUTION: PROTECTING SENSITIVE PERSONAL INFORMATION WITH TOKENIZATION SOLUTIONS FROM THALES eSECURITY

Historically, encryption was the preferred way to generally protect sensitive data and it's still valid for the majority of use cases. However, for many cases, the substitution technique of tokenization is viewed as a more secure way to protect and safeguard sensitive information, due to irreversibility and the avoidance of PCI or other compliance organizational mandates.

GENERAL PROTECTION OF SENSITIVE DATA

Beyond credit and debit card numbers, tokens are increasingly being used to secure other types of sensitive personally identifiable information (PII), including social security numbers, telephone numbers, email addresses, account numbers, as well as personal health information (PHI). Many backend systems rely on Social Security numbers, national identification numbers, passport numbers, and vehicle driver's license numbers as unique identifiers. Since these unique identifiers are tied into the systems, it's very difficult to remove them. And these identifiers are also used to access information for billing, order status, and customer service. Tokenization is now being used to protect PII from exposure to hackers while maintaining the functionality of backend systems.

Thales tokenization solutions help organizations safeguard sensitive organizational and personal information against malicious attacks, helping to ensure customer trust and demonstrate regulatory compliance. Enterprises around the world trust Thales eSecurity to protect their sensitive data and secure their organization's digital transformations.

WHY USE THALES TOKENIZATION SOLUTIONS?

Built on an extensible infrastructure, the Vormetric Data Security platform features multiple Thales data security products that can be deployed individually or in combination to deliver advanced encryption, tokenization and centralized key management. This data security solution prepares your organization for the next personal data security challenge and new compliance requirement at the lowest TCO. Featured products are:

- > Vormetric Tokenization Server
- > Vormetric Application Encryption
- > Vormetric Batch Data Transformation
- > Vormetric Data Security Manager

THALES TOKENIZATION SOLUTIONS

- > Tokenize data and maintain control and compliance when moving to the cloud, big data, and outsourced environments
- > Deploy the solution globally without concerns about token synchronization, performance or uncontrolled costs
- > Protect sensitive information in database columns quickly with minimal disruption, effort, and cost
- > Provision and manage keys for all Thales eSecurity products as well as manage keys for third-party devices
- > Centrally manage data security policies and keys, simplifying training, deployment, and operations

THALES

Thales eSecurity is the leader in advanced data security solutions and services delivering trust wherever information is created, shared, or stored. Security solutions ensure that critical data is both protected and trusted in any deployment – on-premises, in the cloud, in data centers, or in big data environments – without sacrificing business agility. Security professionals around the globe rely on Thales to confidently accelerate their organization's digital transformation. Thales eSecurity is part of Thales Group.

For more detailed technical specifications, please visit www.thalesecurity.com

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