

THALES HELPS RETAIL AND HOSPITALITY ORGANIZATIONS STRENGTHEN THEIR DATA SECURITY AND COMPLIANCE POSTURES

- Protect the confidentiality and integrity of payment transactions
- Safeguard customer records across on premises and cloud environments
- Simplify compliance with PCI DSS and other data privacy mandates
- Secure your organization's most sensitive keys and business processes in an independently-certified, tamper-resistant environment
- Protect brand reputation and revenue against long-term damage
- Encrypt sensitive data efficiently, with little to no performance impact

«Thales e-Security»

DATA PROTECTION SOLUTIONS FOR RETAIL AND HOSPITALITY ENTERPRISES



As processors of highly sensitive customer payment information, retailers and hospitality enterprises face ongoing threats from cybercriminals seeking to steal that data. Breaches of customer records can result in costly notification processes, loss of trust among consumers and extensive litigation.

Consequently, organizations must implement stringent security controls that defend against threats while safeguarding sensitive customer data in a compliant manner – all of which can be administratively and financially burdensome.

While many businesses use encryption to protect customer data stored in on-premises databases, data centers and cloud environments, their approach to securing their critical encryption keys can fall short.

Some of the risks facing retail and hospitality organizations include:

- Highly motivated adversaries seek to exploit vulnerabilities and extract valuable cardholder data
- Non-compliance with PCI DSS and other data protection mandates results in financial penalties and potential suspension of credit card processing privileges
- Administrative costs, penalties, reputational damage and increased scrutiny resulting from a data breach

DATA PROTECTION SOLUTIONS FOR RETAIL AND HOSPITALITY ENTERPRISES

THALES DATA PROTECTION SOLUTIONS FOR RETAIL AND HOSPITALITY ORGANIZATIONS

Thales eSecurity helps global retailers address the security and PCI DSS compliance risks associated with controlling and processing sensitive customer records. Our data encryption and key protection solutions help protect against both external and insider attacks by rendering data useless to unauthorized users and applications.

PCI DSS COMPLIANCE

Thales eSecurity's data protection solutions address several PCI DSS requirements, including:

PCI DSS Requirement	Thales eSecurity Solution(s)
Req. 3: Protect stored cardholder data	Thales nShield Thales payShield Vormetric Application Encryption Vormetric Tokenization Vormetric Transparent Encryption
Req. 4: Encrypt transmission of cardholder data across open, public networks	Thales Datacryptor Thales nShield
Req. 7: Restrict access to cardholder data by business need to know	Thales nShield Vormetric Data Security Manager Vormetric Transparent Encryption
Req. 8: Identify and authenticate access to system components	Thales nShield Vormetric Data Security Manager
Req. 10: Track and monitor all access to network resource and cardholder data	Vormetric Data Security Manager

PAYMENT SECURITY

Thales payShield hardware security modules (HSMs) and associated management and monitoring tools have been specially designed to meet and exceed industry standards and regulatory requirements for secure card /mobile provisioning and payment transaction processing—and to keep your systems and internal processes flexible and scalable.

Thales payShield 9000 HSMs are a key component of mobile point-of-sale and payment processing solutions deployed by our extensive range of industry partners, and help ensure compliance with numerous security standards including PCI DSS, PCI PIN Security, PCI PA-DSS and PCI P2PE.

DATA-AT-REST ENCRYPTION

Thales solutions, including the Vormetric Data Security Platform, Vormetric Transparent Encryption and Vormetric Application Encryption provide a single extensible framework for protecting data-at-rest across the broadest range of OS platforms, databases, cloud environments and big data implementations. These solutions deliver low total cost of ownership, as well as simple, efficient deployment and operation.

ENCRYPTION KEY PROTECTION & MANAGEMENT

Thales offer key protection and management for all use cases. Thales nShield HSMs provide tamper-resistant, hardware-based key protection for high assurance scenarios. Vormetric Key Management enables centralized management for distributed environments and devices, including KMIP compatible hardware, converged infrastructure stacks, Oracle and SQL Server TDE master keys and digital certificates.

CLOUD DATA PROTECTION

Thales eSecurity provides cloud encryption and key management solutions that keep enterprises in control of their data. Our partnerships with industry-leading IaaS, PaaS, SaaS and managed services providers mean we can support any cloud strategy - public, private or hybrid.

LEARN MORE

Visit us at www.thalesecurity.com to learn why retail and hospitality organizations trust Thales eSecurity to protect their customer data.

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