THALES

Data protection solutions for financial services enterprises

Financial services organizations face unique challenges in their efforts to protect sensitive customer information and comply with evolving regulations and mandates. Adding complexity to this challenge, customer data can be found in a mix of systems and applications across the distributed enterprise—at rest, in use and in transit.

In response, financial services enterprises must implement stringent security controls that protect against threats and abuse, while safeguarding and processing sensitive customer data in a compliant manner—all while giving users appropriate access to customer records.

Financial institutions also continue to adopt new and emerging technologies such as cloud computing and containers which, while they offer potential efficiencies and cost reductions, expand the organization's digital footprint.

Thales solutions help financial services organizations improve their data security and compliance postures

- Safeguard customer records by rendering them unusable to attackers
- Simplify compliance with PCI DSS and other data privacy mandates and regulations

- Protect the organization's reputation and revenue against long-term damage
- Encrypt sensitive data efficiently, with little to no performance impact

Some of the risks facing financial services enterprises include:

- Highly motivated adversaries seek to exploit vulnerabilities to extract valuable personally identifiable information (PII) and corporate IP
- Complying with PCI DSS and other data protection mandates requires time and administrative resources
- Administrative costs, penalties, reputational damage and increased regulatory scrutiny resulting from a data breach

Thales data protection solutions for financial services enterprises

Financial services organizations worldwide trust Thales to address their unique challenges. Our data protection solutions help enterprises reduce risk, demonstrate compliance and enhance agility while pursuing strategic goals around emerging payment and transaction technologies.

Payment security

Thales has a broad range of hardware and software solutions that are designed specifically for payment applications and tightly integrated with leading off-the-shelf solutions from the major third party vendors. Thales payShield is a proven hardware security module (HSM) that performs such tasks as PIN protection and validation, transaction processing, mobile and payment card issuance, and key management. payShield delivers high assurance protection for automated teller machine (ATM) and point of sale (POS) credit and debit card transactions. Vormetric Tokenization with Dynamic Masking lets administrators establish policies to return an entire field tokenized or dynamically mask parts of a field. With the solution's format-preserving tokenization capabilities, managers can restrict access to sensitive assets, yet at the same time, format the protected data in a way
that enables many users to do their jobs.

Data-at-rest encryption

Thales solutions like Vormetric Transparent Encryption and Vormetric Application Encryption are components of a single extensible framework, the Vormetric Data Security Platform, for protecting data-at-rest under the diverse requirements of the banking and financial services industry across the broadest range of OS platforms, databases, cloud environments and big data implementations. This results in a low total cost of ownership, as well as simple, efficient deployment and operation.

The Thales Datacryptor Series encrypts sensitive data traversing enterprise networks—across departments, facilities or regions—with little to no impact on network performance and bandwidth.

Encryption key protection and management

Thales Key Management solutions include:

- Key Management for Transparent Database Encryption (TDE) for Oracle and Microsoft SQL Server
- Key Management via KMIP for supported devices
- Secure key object and digital certificate storage

Cloud data protection

Thales provides cloud encryption and key management solutions that keep financial institutions 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.

Contact your account representative today or visit www.thalescpl.com to learn how we can help you improve your data security and compliance.

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing amount of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.