

## nCipher helps financial services organizations improve their data security and compliance postures

- Safeguards customer records by rendering them unusable to attackers
- Simplifies compliance with PCI DSS and other data privacy mandates and regulations
- Protects the organization's reputation and revenue against long-term damage
- Secures the most sensitive keys and business processes in the organization in an independently-certified, tamper-resistant environment

# Data protection solutions for financial services enterprises

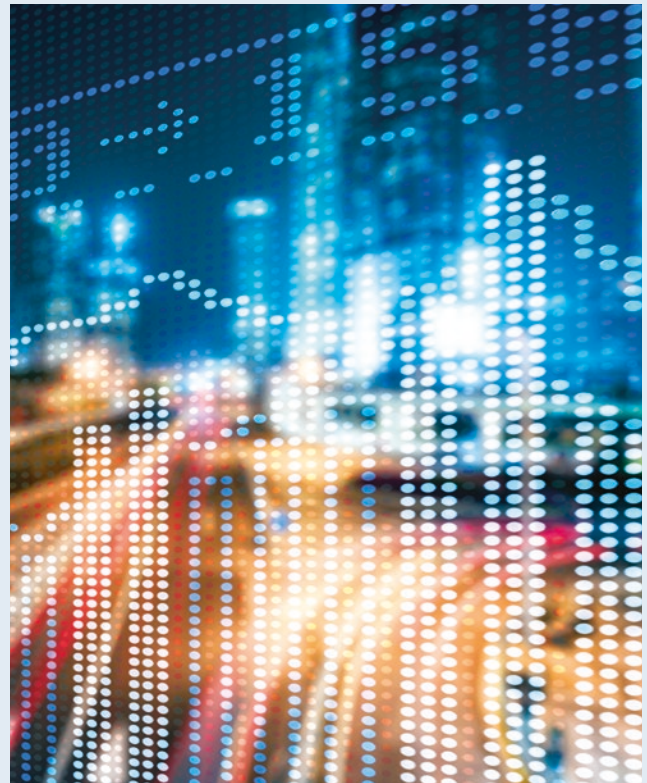
Financial services organizations face unique challenges in their efforts to protect sensitive customer information and comply with evolving regulations and mandates. Adding complexity to this challenge, customer data can be found in a mix of systems and applications across the distributed enterprise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

One area that continues to evolve is payments, with contactless and app-based transactions increasingly prevalent. And as new options – including IoT-enabled payments – come online, financial institutions must keep innovating in kind.

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.

Significantly, financial enterprises are increasingly exploring the use of distributed ledger technologies, such as blockchain, to streamline transactions and reduce operational risk. These technologies represent significant new opportunities for enterprises, but security must be incorporated from the outset.



# Data protection solutions for financial services enterprises

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

## NCIPHER DATA PROTECTION SOLUTIONS FOR FINANCIAL SERVICES ENTERPRISES

Financial services organizations worldwide trust nCipher 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

nCipher 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. The nCipher HSM can perform such tasks as PIN protection and validation, and key management.

nCipher HSMs are also deployed as part of mobile point-of-sale and payment processing solutions with our industry partners, and help ensure compliance with various security requirements including PCI PIN Security and PCI P2PE.

## ENCRYPTION KEY PROTECTION & MANAGEMENT

nCipher HSMs provide hardware-based key management protection database environments Oracle and SQL Server TDE master keys and digital certificates.

## CLOUD DATA PROTECTION

To help financial institutions keep control of their data, nCipher bring-your-own-key (BYOK) APIs offered by our public cloud providers, including AWS, Google Cloud Platform and Microsoft Azure.

## ESTABLISH THE ROOT OF TRUST FOR BLOCKCHAIN & DISTRIBUTED LEDGERS

nCipher HSMs help financial services organizations protect and manage the cryptographic keys that underpin blockchain and other distributed ledger applications. nCipher HSMs enable enterprises to design architectures that provide the high-assurance security required for distributed ledgers.

## LEARN MORE

To find out more how nCipher Security can deliver trust, integrity and control to your business critical information and applications, visit [www.ncipher.com](http://www.ncipher.com)

Search: nCipherSecurity



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