

Thales e-Security

# Trust management for the interconnected world







**» By protecting the confidentiality, integrity, and availability of sensitive information that flows through today's traditional, virtualized, and cloud-based infrastructures, Thales e-Security solutions enable compliance, reduce risk and increase operational efficiency.**

# Delivering trust for critical applications and data

**“After evaluating a number of competitive solutions on the market, Nutrisystem selected Thales based on the solution’s performance, redundancy, ease of key management and integration, as well as its competitive pricing. Thales delivered a solution that perfectly matches the requirements of a complex, high transaction e-commerce business such as ours.”**

Todd Sellers, senior director of infrastructure and telecom, Nutrisystem.

Today, organizations of all types are facing increasingly targeted threats to their most sensitive data. At the same time, cloud computing, mobility and other advances are creating more potential points of exposure than ever before. The modern era of data protection demands a strategy that follows the data through storage, transit, and processing by applications.

Thales e-Security is a leading global provider of data protection solutions that are designed to provide the highest level of security in the industry while also offering significant advantages over other solutions in ease of deployment and operational efficiency. Leveraging 40 years of experience in applied cryptography, our products are designed to integrate seamlessly with a broad range of business processes and applications so that services such as encryption and digital signing can be performed on certified, purpose-built trust platforms rather than on increasingly vulnerable standard application servers.

Key protection and comprehensive lifecycle management are the backbone of any cryptographic system. Stolen keys can lead to data theft, key loss can lead to lost data, and inefficient key management can significantly degrade application performance. With unparalleled expertise in key management delivered across multiple product lines, our solutions provide

tamper-resistant, high assurance protection for critical cryptographic keys and enforce customer-defined policies over their use.

Our products integrate with a wide range of custom and commercial security applications and critical infrastructure from leading technology vendors – extending and enhancing the level of trust they deliver. Together our solutions help to thwart today’s targeted attacks and the risk of sensitive data exposure introduced by cloud computing, consumer devices in the workplace, increased connectivity, and more. Trusted cryptography enables high assurance across a broad spectrum of use cases including encryption and privacy, digital signing and identity (PKI), and both traditional and emerging mobile payments technology.

Thales e-Security is part of the Security division of Thales Group, an international technology leader for the Aerospace & Transportation and the Defense & Security markets.



# Products



## nShield Multi-Purpose HSMs

Hardware Security Modules (HSMs) provide a hardened, tamper-resistant environment for performing secure cryptographic processing, key protection and key management. Available in multiple form factors and sharing the unique Security World key management architecture, nShield is the most secure and operationally friendly HSM family on the market.

Thales also offers the following nShield-based solutions:

- CodeSafe – unique to nShield, CodeSafe provides the ability to execute application code within the HSM's certified security boundary
- Time Stamp Server – creates standards-based secure time stamps and optionally includes a secure master clock source
- SafeSign\* – performs high performance digital signing and signature validation



nShield Connect



nShield Edge



nShield Solo



keyAuthority



## keyAuthority

The keyAuthority centralized key manager enables organizations to centralize and automate generation and vaulting of encryption keys for applications and systems with embedded encryption. With interoperability based on the KMIP (Key Management Interoperability Protocol) standard, keyAuthority works with an ever-increasing list of technology partners and scales to support millions of keys and thousands of devices.

For a full listing of integrated technology partner applications, please visit [www.thales-ecurity.com/partners/technology-partners](http://www.thales-ecurity.com/partners/technology-partners)

\*Regionally available

## payShield Payment HSM



**PCI HSM**  
Certified

The payShield HSM is designed specifically for payment applications. Used in an estimated 80% of payment card transactions, the payShield HSM supports all major payment applications including card payment processing, EMV and payment card issuance, mobile point of sale (mPOS), mobile payments and secure element provisioning, and provides a wide range of connectivity options including FICON for mainframes.



payShield 9000

Options and peripherals offered in the payShield HSM family include:

- Key Management Device (KMD) – provides a tamper-resistant module (TRSM) for secure key component entry
- Remote HSM manager – enables centralized administration including remote management and monitoring

## Datacraptor



Datacraptor standalone network encryption products provide low latency, high performance end-to-end security for IP, Link and Layer 2 encryption. Using high assurance encryption methods, state-of-the-art key management techniques, and providing separation of duties between security and network administration, Datacraptor Layer 2 products offer significantly lower latency than software encryption capabilities embedded in common network devices such as switches and routers.



Datacraptor- Layer 2 - 10Gbps



Datacraptor- Layer 2 - 1Gbps



Datacraptor Advanced Platform SFF



Datacraptor Advanced Platform

For a full listing of integrated technology partner applications, please visit [www.thales-esecurity.com/partners/technology-partners](http://www.thales-esecurity.com/partners/technology-partners)

# Partners

Thales partners with leading resellers, system integrators, OEMs and technology companies to meet the data protection needs of security-conscious organizations around the globe.

## Thales Channel Partner Program

The Thales Channel Partner Program provides resellers with the tools, training, support, and resources to ensure successful delivery of leading data protection solutions based on Thales products. With multiple tiers available based on sales targets and business plans, our program is designed to foster teamwork, commitment, and success.

## Thales Alliance for Solution and Application Providers (ASAP) Program

The Thales Alliance for Solution and Application Providers Program is designed to forge valuable technology and business relationships with leading technology vendors. Spanning the categories of credentialing and PKI applications, encryption and tokenization, cryptographic security and key management, and payments our integrations support the broadest range of crypto-enabled solutions in the industry. For a full listing of technology partner applications, visit [www.thales-ecurity.com/partners/technology-partners](http://www.thales-ecurity.com/partners/technology-partners)



**“The Microsoft Rights Management service helps customers safeguard their data, both inside and outside of the organization. As a result of our collaboration with Thales, our customers can generate and upload their own master keys to a cloud-based HSM and keep complete control over their keys, giving them confidence that their data is protected.”**

Dan Plastina, partner group program manager, Microsoft

**“We provide managed service PKIs for a wide variety of organizations, and all of our managed PKI solutions rely on Thales HSMs because of their unique combination of strong security and operational ease for critical functions like key backup. They are also interoperable with multiple PKI products, highly reliable, and the company provides excellent customer service – which all combines to make them the most cost-effective choice for us.”**

Robert Hann, business development director, Trustis



# Professional services and customer support

## Thales Advanced Solutions Group (ASG)

The Thales Advanced Solutions Group is dedicated to helping customers drive new and profitable solutions for a secure and trusted business. With unmatched cryptographic expertise, ASG consultants have a deep understanding of both Thales solutions and best practices for encryption and key management. Thales ASG is experienced in meeting the demands of the most security-conscious customers, ranging from financial services companies, defense, and manufacturing through many of the best known names in the high technology field. ASG offerings include PKI consultancy, custom development, code review, deployment, and training, as well as product/service solutions for code signing and data protection.

## Thales Global Customer Support

The Thales Global Customer Support service portfolio provides multiple globally-consistent levels of support and a range of installation, configuration, and integration choices, enabling you to leverage Thales expertise in the way that best suits your business needs. Our offerings ensure that your Thales products operate efficiently and reliably, and protect your sensitive, mission-critical data – at a significant cost advantage over traditional equipment repair and replacement options. All of our global support and maintenance plans ensure that our customers can troubleshoot/repair/replace products efficiently with the assistance of highly experienced technicians, so business disruption is minimized and data is continuously protected.



## About Thales e-Security

Thales e-Security is a leading global provider of trusted cryptographic solutions with a 40-year track record of protecting the world's most sensitive applications and information. Thales solutions enhance privacy, trusted identities, and secure payments with certified, high performance encryption and digital signature technology for customers in a wide range of markets including financial services, high technology, manufacturing, and government. Thales e-Security has a worldwide support capability, with regional headquarters in the United States, United Kingdom, and Hong Kong. [www.thales-esecurity.com](http://www.thales-esecurity.com)

## About Thales Group

Thales is a global technology leader for the Aerospace & Transportation and the Defence & Security markets. In 2013, the company generated revenues of €14.2 billion (\$18.3 billion) with 65,000 employees in 56 countries. With its 25,000 engineers and researchers, Thales has a unique capability to design, develop and deploy equipment, systems and services that meet the most complex security requirements. Thales has an exceptional international footprint, with operations around the world working with customers and local partners.

For more information, visit [www.thalesgroup.com](http://www.thalesgroup.com)

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