THALES

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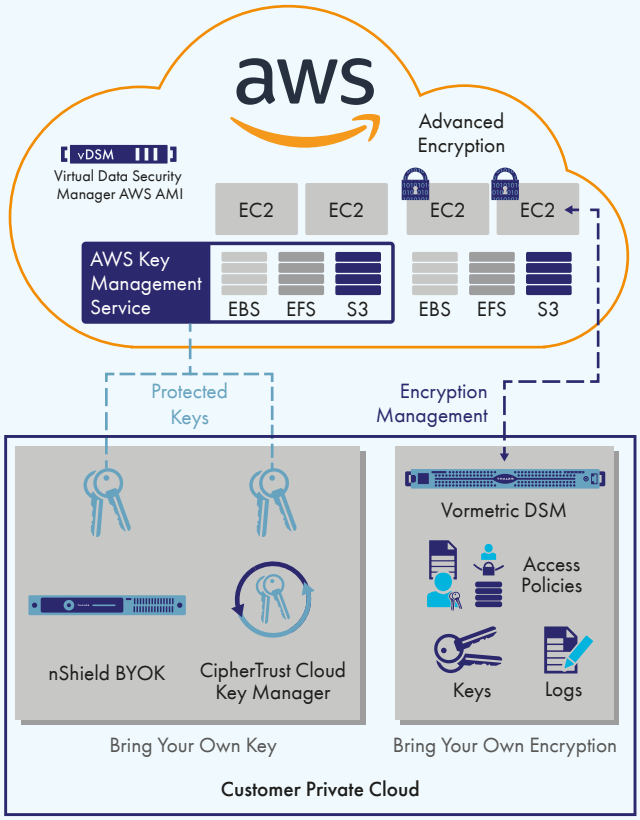
ADVANCED ENCRYPTION WITH COMPREHENSIVE KEY MANAGEMENT

- Avoid vendor encryption lock-in and ensure the data mobility you need while you efficiently and securely spread workloads and data across multiple cloud vendors, including Amazon Web Services, with centralized, independent encryption management
- Take secure advantage of Amazon Key Management Services with centralized key management solutions that span multiple clouds
- Identify attacks faster with data access logging to industry-leading SIEM applications
- Reduce or eliminate risks arising from compromised credentials with advanced encryption including privileged user access controls

‹Thales eSecurity›

THALES eSECURITY SOLUTIONS FOR AMAZON WEB SERVICES



Secure Workloads Across Hybrid Clouds Including Amazon Web Services

Information technology workloads in Amazon Web Services (AWS) can offer convenience and cost savings. However, you still need to follow security, privacy and compliance rules, as well as best practices for protecting data. Further, you need rapid data mobility across all clouds you use and those in your future, a need which can be compromised with cloud-vendor-specific encryption solutions. Thales e-Security solutions help you meet these needs. You can bring your own encryption (BYOE) with advanced capabilities and centralized key management giving you protection and control of data stored on your premises, Amazon Web Services, and other cloud providers.

Customers who prefer the AWS Key Management Service (KMS) can leverage multiple key management options from Thales eSecurity, all of which ensure compliance with industry best practices and mainstream data protection compliance mandates.

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THALES eSECURITY SOLUTIONS FOR AMAZON WEB SERVICES

ADVANCED ENCRYPTION FOR AMAZON WEB SERVICES AND BEYOND

If you're 100% Amazon Web Services-based with stringent data security controls, or if you're running hybrid clouds with data distributed across your on-premises private cloud, multiple cloud providers, and on AWS, you need an advanced data encryption solution. Vormetric Transparent Encryption protects your files and databases on your premises and across multiple clouds including AWS, without any changes to applications, databases, infrastructure or business practices.

Vormetric Transparent Encryption:

- Strengthens data security with operating system-level controls against unauthorized access based on granular access policies, including user identity (including for administrators with root privileges), and process, among many others
- Accelerates breach detection and satisfies compliance mandates with detailed file access logs, directed to your security information and event management (SIEM) system
- Delivers a fast return on investment with a non-intrusive, flexible implementation. Encryption agents operate on AWS EC2 compute instances or any other server accessing storage, protect EBS, EFS and S3 storage, and are available for many Windows versions and Linux distributions, including Amazon Linux.

CENTRALIZED, SECURE KEY MANAGEMENT

The **Vormetric Data Security Manager** centralizes key, policy and log management for Vormetric Transparent Encryption, available as a FIPS 140-2 Level 2 or 3 appliance or a FIPS 140-2 Level 1 virtual appliance. The physical appliance is appropriate for your on-premises locations to manage encryption agents worldwide across any cloud provider. The virtual appliance is available in many virtualization formats including VMware and KVM as well as an Amazon Web Services AMI and on the Microsoft Azure Marketplace.

AWS ENCRYPTION KEY MANAGEMENT

Organizations that cannot bring their own encryption can still follow industry best practices by managing keys externally using either the **CipherTrust Cloud Key Manager** or Thales **nShield Bring Your Own Key** (BYOK).

- The CipherTrust Cloud Key Manager leverages cloud provider key control API's to reduce key management complexity and operational costs by giving customers lifecycle control of encryption keys with centralized management and visibility. The solution can be deployed almost instantly using CipherTrust Cloud Key Manager as a service or can be deployed on- premises to meet more stringent compliance requirements.
- Thales nShield hardware security modules (HSMs) let you bring your own keys to AWS and are available in three form factors: network attached, PCIe card, and USB-attached, to suit your application requirements and performance needs.

Both CipherTrust Cloud Key Manager and nShield BYOK offer the following advantages:

- Safer key management practices combined with cloud benefits of scale, cost and convenience
- Greater control over keys—you can control key generation and storage of keys used in AWS KMS, Microsoft Azure, and more!
- Consistent on-premises key management for the leading public cloud providers.

FULFILL YOUR DATA PROTECTION REQUIREMENTS

Thales eSecurity simplifies securing Amazon Web Services workloads and helps achieve compliance with data security regulations. Vormetric Data Security Platform products operate seamlessly on workloads in AWS and on your premises delivering centralized policy and key management, and Thales eSecurity cloud key management solutions bring you into compliance with best practices and data protection mandates.

LEARN MORE

Visit us at **www.thalesesecurity.com** to learn how our advanced data security solutions and services deliver trust wherever information is created, shared or stored.

Follow us on:

Americas – Thales eSecurity Inc. 900 South Pine Island Road, Suite 710, Plantation, FL 33324 USA • Tel:+1 888 744 4976 or +1 954 888 6200 • Fax:+1 954 888 6211 • E-mail: sales@thalesesec.com
Asia Pacific – Thales Transport & Security (HK) Lt, Unit 4101-3, 41/F, Sunlight Tower, 248 Queen's Road East, Wanchai, Hong Kong • Tel:+852 2815 8633 • Fax:+852 2815 8141 • E-mail: asia.sales@thales-esecurity.com
Europe, Middle East, Africa – Meadow View House, Long Crendon, Aylesbury, Buckinghamshire HP18 9EQ • Tel:+44 (0)1844 201800 • Fax:+44 (0)1844 208550 • E-mail: emea.sales@thales-esecurity.com