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 Microsoft Azure, with centralized, independent encryption management
- Take secure advantage of Azure Key Vault 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
- Architect applications for the cloud with built-in security using vaultless tokenization with dynamic data masking

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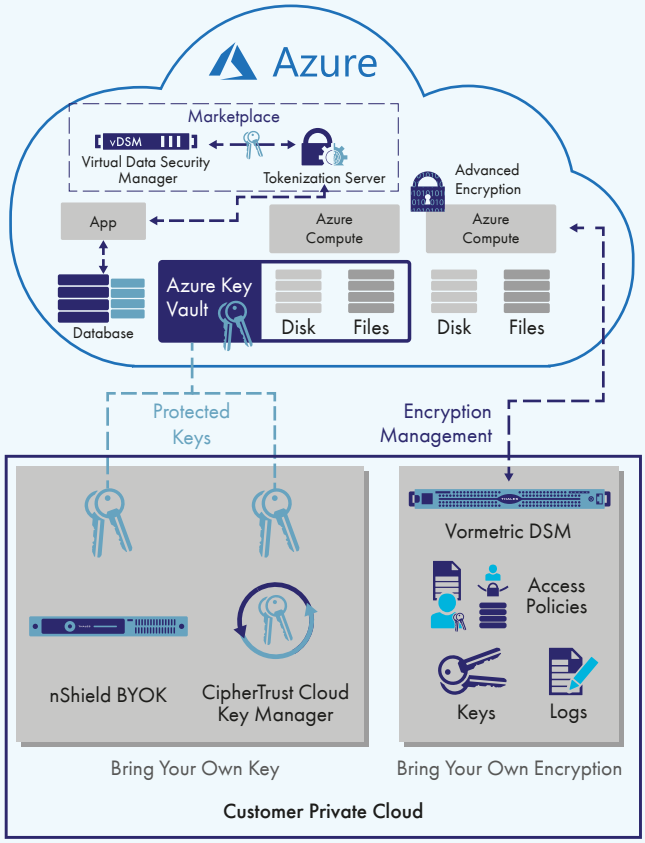
THALES eSECURITY SOLUTIONS FOR MICROSOFT AZURE



SECURE WORKLOADS ACROSS HYBRID CLOUDS INCLUDING MICROSOFT AZURE

Information technology workloads in Microsoft Azure 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 eSecurity solutions help you meet these needs with advanced encryption and centralized key management giving you protection and control of data stored on your premises, Microsoft Azure, and other cloud providers.

Customers using Azure Storage Encryption 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 MICROSOFT AZURE

ADVANCED ENCRYPTION FOR MICROSOFT AZURE AND BEYOND

If you're 100% Microsoft Azure-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 Microsoft Azure, you need an advanced data encryption solution. Vormetric Transparent Encryption protects your files and databases stored anywhere, including Microsoft Azure, without any changes to applications, databases, infrastructure or business practices. Bring your own encryption to Microsoft Azure and other infrastructure as a service providers! Vormetric Transparent Encryption:

- Strengthens data security with 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 satisfy 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 Azure compute instances or any other server accessing storage, protect Azure Disk and Azure Files, and are available for many Windows versions and Linux distributions

CENTRALIZED, SECURE KEY MANAGEMENT

The Vormetric Data Security Manager (DSM) centralizes key, policy and log management for Vormetric Transparent Encryption, available as a FIPS 140-2 Level 2 or 3 appliance for on-premises deployment, or a FIPS 140-2 Level 1 virtual appliance such as on the Azure Marketplace.

ACCELERATED PCI-DSS COMPLIANCE

Vormetric Tokenization with Dynamic Data Masking secures and anonymize sensitive assets in the data center, big data environments or the cloud for simplified PCI-DSS compliance. Format-preserving tokenization protects sensitive fields while maintaining database structure, for a non-disruptive implementation. Then, it's easy to add policy-based dynamic data masking to applications.

The Vormetric Tokenization Server is available as a virtual appliance on the Microsoft Azure Marketplace.

AZURE 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 rapidly using CipherTrust Cloud Key Manager as a service, is available on the Microsoft Azure Marketplace, or can be deployed on premises or in any private cloud deployment to meet more stringent compliance requirements.
- Thales nShield hardware security modules (HSMs) let you bring your own keys to Azure 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 Microsoft Azure, AWS KMS, and more!
- Consistent on-premises key management for the leading public cloud providers

FULFILL YOUR DATA PROTECTION REQUIREMENTS

Thales eSecurity simplifies securing your Microsoft Azure workloads and helps achieve compliance with data security regulations. Vormetric Transparent Encryption and Tokenization operate seamlessly on workloads in Microsoft Azure 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:

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