Trusted Cyber Technologies

THALES
Building a future we can all trust

Microsoft Azure Advanced Data Protection

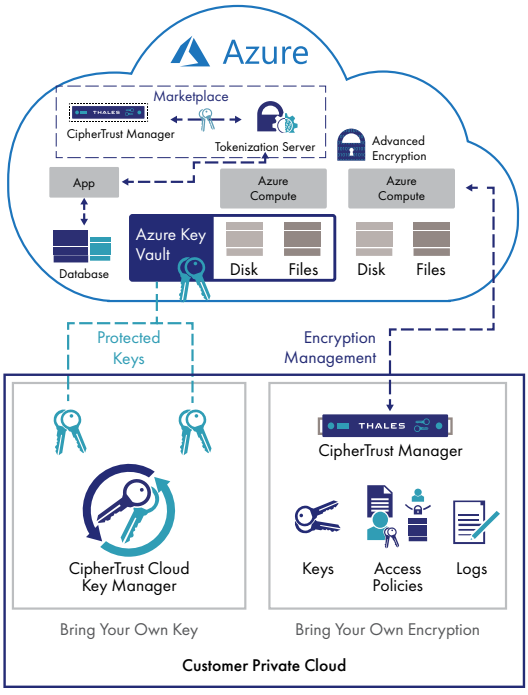
Secure workloads across hybrid clouds including Microsoft Azure

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.

Data protection for Microsoft Azure

Effective, secure use of cloud services involves an increasing number of decisive moments, such as when you consider using sensitive data in any cloud. You can rely on Thales Trusted Cyber Technologies to secure your digital transformation. Thales data discovery and classification, advanced encryption and centralized key management solutions give you protection and control of data stored on your premises, Microsoft Azure, and other cloud providers. Thales technology enables you to:

- Avoid cloud 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 that spans 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



Data Discovery and Classification

CipherTrust Data Discovery and Classification locates regulated data in Microsoft Azure, other clouds and on-premises across many different types of data stores, include Azure block storage offerings and Azure Files. It offers a quick start with a full set of built-in classification templates with centralized operations on CipherTrust Manager. The product enables informed decision making about what and how to protect data in 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. CipherTrust 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.

CipherTrust 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

CipherTrust Manager centralizes key, policy and log management for CipherTrust Transparent Encryption, available in various hardware models for on-premises deployment, or can be instantiated in the Azure Marketplace.

Multicloud BYOK management

Organizations that cannot bring their own encryption can still follow industry best practices by managing keys externally using CipherTrust Cloud Key Manager.

The CipherTrust Cloud Key Manager leverages cloud provider Bring Your Own Key (BYOK) 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 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.

CipherTrust Cloud Key Manager offers the following advantages:

- Enhanced IT efficiency with multi-cloud key management from a single console that offers automated key rotation and comprehensive key life cycle management
- 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, Azure Government, Azure Germany and China National Clouds, AWS KMS, the Google Cloud Platform Customer Managed Encryption Key (CMEK) Service and more.

Fulfill your data protection requirements

Thales simplifies securing your Microsoft Azure workloads and helps achieve compliance with data security regulations. CipherTrust Transparent Encryption and Tokenization operate seamlessly on workloads in Microsoft Azure and on your premises delivering centralized policy and key management. And CipherTrust Cloud Key Manager brings you into compliance with best practices and data protection mandates pertaining to cloud key management.

About Thales Trusted Cyber Technologies

Thales Trusted Cyber Technologies, a business area of Thales Defense & Security, Inc., protects the most vital data from the core to the cloud to the field. We serve as a trusted, U.S. based source for cyber security solutions for the U.S. Federal Government. Our solutions enable agencies to deploy a holistic data protection ecosystem where data and cryptographic keys are secured and managed, and access and distribution are controlled.

Thales CipherTrust Solutions are available for sale to the U.S. Federal Government exclusively through Thales Trusted Cyber Technologies.

For more information, visit www.thalestct.com

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