

Enhancing Security and Compliance with Thales and Samsung Cloud

Control encryption keys
to achieve data security,
sovereignty, and compliance.

In a world where data security and regulatory compliance are paramount, the collaboration between Thales CipherTrust Cloud Key Management Solutions and Samsung Cloud offers an unparalleled opportunity for organizations to enhance their data protection and sovereignty. Leveraging Thales' advanced encryption key management systems with the robust infrastructure of Samsung Cloud, this joint solution empowers businesses to retain control over their sensitive information, ensuring it remains secure and compliant with the latest regulations. This powerful partnership safeguards your data, streamlines compliance, and enables you to confidently navigate the complexities of the digital landscape.

Thales Data Protection Solutions for Samsung Cloud

The collaboration between Thales CipherTrust Cloud Key Management (CCKM) solutions and Samsung Cloud presents a robust joint solution designed to enhance data security and compliance for organizations. By combining Thales' advanced encryption key management with Samsung Cloud's reliable infrastructure, businesses gain unparalleled control over their sensitive data. This integration allows companies to leverage Bring Your Own Key (BYOK) and Hold Your Own Key (HYOK) options, ensuring encryption keys are securely managed and fully under the organization's control.

Thales CCKM seamlessly leverages Samsung Cloud, overseeing the entire lifecycle of cryptographic keys used for data encryption. This powerful solution enables organizations to generate, store, rotate, backup, and recover their own encryption keys, providing an additional layer of management, security and control. The ability to manage encryption keys both within and outside of the cloud environment offers flexibility and peace of mind, knowing that sensitive data is protected by the highest standards of security.

Organizations benefit from this joint solution by meeting regulatory compliance requirements and maintaining data sovereignty. The combination of Thales and Samsung Cloud solutions ensures that data remains secure, regardless of where it is stored, and provides organizations with tools to enforce stringent security policies. This collaboration ultimately empowers businesses to confidently navigate the complexities of the digital landscape while safeguarding their most critical information.

Customer Benefits

Thales CipherTrust Cloud Key Management and Samsung Cloud work together to protect valuable data. By providing organizations with lifecycle control and centralized management across multiple cloud environments, they improve the visibility of cloud encryption keys, helping reduce key management complexity and operational costs.

1. Gain strong key control and enhanced security
2. Increase efficiency with centralized key management across all cloud providers
3. Meet organizational needs with flexible deployment options

Centralized Key Management across Cloud and SaaS providers

Thales CCKM extends its capabilities to manage keys across various other Cloud Service Providers (CSPs) such as AWS, Azure, GCP and Oracle Cloud as well as widely-used SaaS services like SAP, Salesforce, Microsoft 365, and Google Workspace. This unified approach allows organizations to manage all their encryption keys from a single pane of glass, simplifying key management processes and reducing operational complexity.

Thales CipherTrust Data Security Platform offers a broad offering of Bring Your Own Key (BYOK), Hold Your Own Key (HYOK), and Bring Your Own Encryption (BYOE) solutions to organizations using Samsung Cloud. These include traditional encryption, format preservation encryption, and data masking or tokenization. Sensitive data is transformed, rendering it unreadable or unusable, to prevent the misuse of sensitive information. The data types to be protected could include credit cards, social security numbers, passport numbers, health records, and national identity numbers.

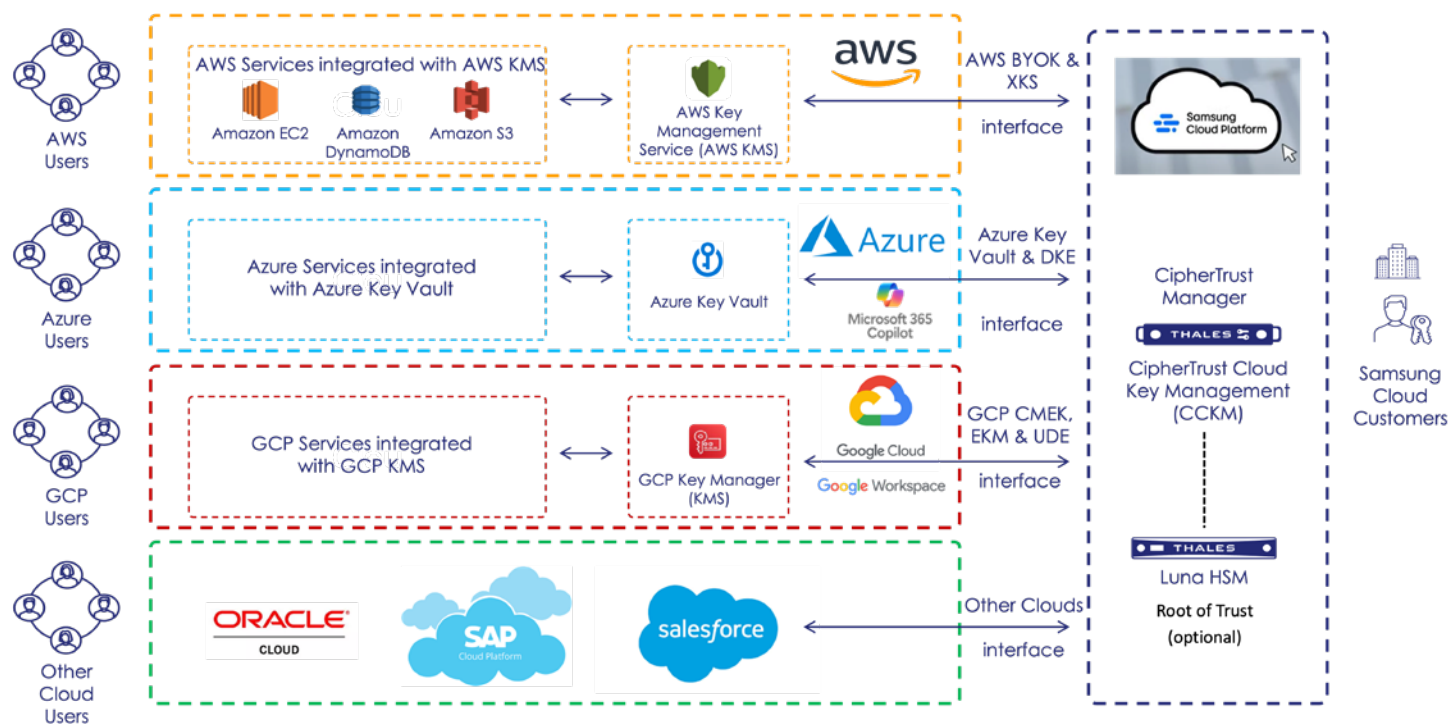
External Key Management: Bring Your Own Key and Hold Your Own Key

Security best practices and newer compliance mandates, such as the SCHREMS II ruling on Digital Sovereignty and the Korea Personal Information and Information Security Management System (ISMS-P), mandate organizations retain control over their encryption keys. This is especially relevant for companies who rely on cloud-based or Software-as-a-Service (SaaS) offerings to run their businesses. While data may physically reside in the cloud, an organization that retains logical key control ultimately maintains control over their sensitive data. This is because whoever controls the keys can dictate who can see and use the information.

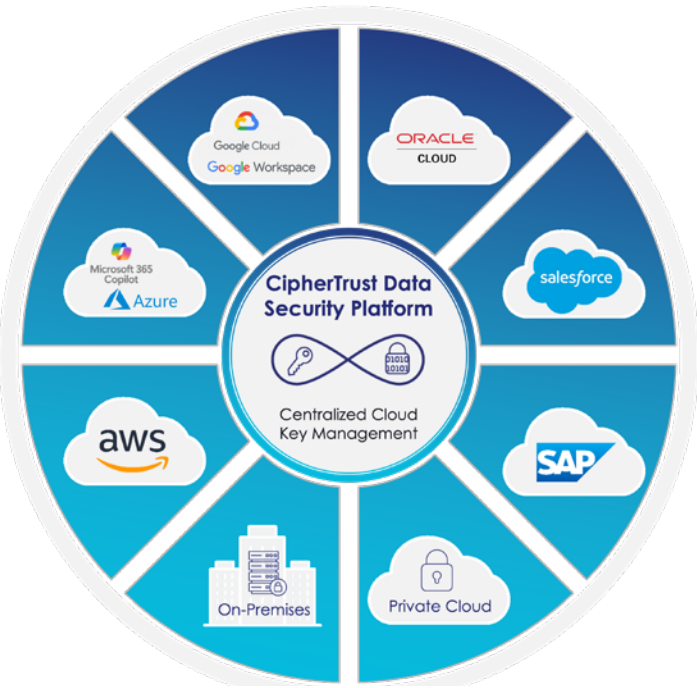
Bring Your Own Encryption

Thales CipherTrust Data Security Platform offers a broad offering of Bring Your Own Encryption (BYOE) solutions to organizations using Samsung Cloud. These include traditional encryption, format preservation encryption, and data masking or tokenization. Sensitive data is transformed, rendering it unreadable or unusable, to prevent the misuse of sensitive information. The data types to be protected could include credit cards, Social Security numbers, Passport numbers, Health records, and National Identity numbers.

Thales CipherTrust Cloud Key Management for Samsung Cloud Platform



Supported Cloud and Key Management Ownership Models



SAP APPLICATIONS	Native	BYOK	HYOK
Amazon Web Service (AWS) KMS	✓	✓	
AWS Cloud HSM	✓		
AWS XKS			✓
AWS China	✓	✓	
AWS GovCloud	✓	✓	✓
Google Cloud Platform CMEK	✓	✓	
Google Cloud Platform EKM			✓ ¹
Google Cloud Platform EKM UDE			✓
Google Workspace CSE			✓
Microsoft Azure Cloud	✓	✓	
Microsoft Azure China	✓	✓	
Microsoft Azure GovCloud	✓	✓	
Microsoft Azure Managed HSMs	✓	✓	
Microsoft 365		✓	✓ ²
Oracle Cloud Infrastructure	✓	✓	✓
Salesforce.com	✓	✓	✓ ³
Salesforce Sandbox	✓	✓	✓ ³
SAP Data Custodian	✓	✓	✓

¹ HYOK for Confidential Computing

² Microsoft Double Key Encryption (DKE)

³ Cache Only Key Service

About Samsung

Samsung SDS is the IT and consultancy arm of Samsung Group, dedicated to delivering innovative digital transformation solutions. Founded in 1985, the company specializes in IT services, including cloud computing, AI, IoT, and blockchain technologies. Samsung SDS aims to enhance business performance and unlock new opportunities through cutting-edge technology and expertise, offering comprehensive services for various industries like manufacturing, logistics, healthcare, and finance. The organization plays a crucial role in developing and managing Samsung’s cloud infrastructure, ensuring seamless data integration and robust security for global enterprises.

About Thales

Thales is a global leader in cybersecurity, helping the most trusted companies and organizations around the world protect critical applications, sensitive data, and identities anywhere at scale. Through our innovative services and integrated platforms, Thales helps customers achieve better visibility of risks, defend against cyber threats, close compliance gaps, and deliver trusted digital experiences for billions of consumers every day.