

Regional Latin American Financial Institution Streamlines Data Protection On Premises and in the Cloud with Thales CipherTrust Platform

A large Latin American-based financial institution was going through an extensive process of digital transformation, adopting multiple infrastructure as a service (IaaS) and software as a service (SaaS) cloud platforms to better serve its customers and increase its own agility. Foreseeing that the growing complexity of its hybrid IT environment could create vulnerabilities for cyber-attacks, this organization resolved to significantly strengthen its digital security posture to avoid the possibility of data breaches and non-compliance with government regulations and industry mandates.

Challenge

This organization wanted to continue the process of rapid digital transformation to ensure its offerings remained competitive while protecting sensitive customer data and intellectual property on premises and in multiple cloud instances. This would help it avoid a breach, which might harm its customers and damage its reputation, and comply with multiple international data security regulations and mandates.

The financial institution's digital security team saw its challenges as:

- Continuing adoption of IaaS and SaaS cloud platforms while maintaining control, security, and portability of sensitive data.
- Complying with multiple global and regional data protection regulations including Payment Card Industry (PCI) and the European General Data Protection Regulation (GDPR).
- Centralizing security and data protection policies with good visibility into, and access control of, data stored in the cloud as well as on premises.
- Protecting against external and internal threats.

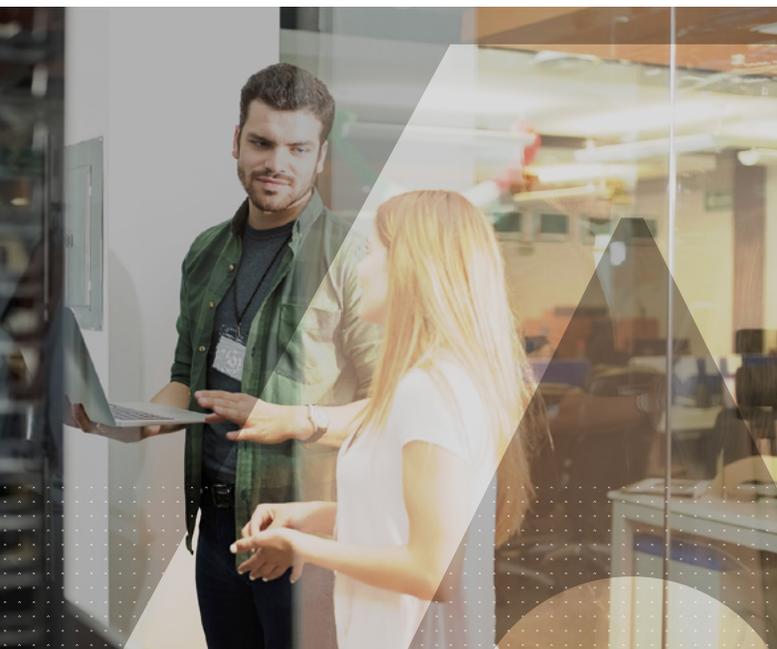
Solution

Best practices for protecting sensitive data and complying with virtually every financial services data security regulation in the industry requires pseudonymization or encryption of data and tight control of the cryptographic keys. This is very complex when the sensitive data is spread across on premises and multiple cloud storage environments, and employees and customers in multiple locations need access to the data.

The financial institution chose to work with Thales because it has decades of experience with every aspect of data security the bank wanted to address.

Encryption

The financial institution deployed CipherTrust Transparent Encryption to pseudonymize data in all formats across Microsoft Azure, IBM Cloud and on premises repositories. The CipherTrust Transparent Encryption product within the CipherTrust Data Security Platform delivers data-at-rest encryption with centralized key management, privileged user access control, and detailed data access audit logging. CipherTrust Transparent Encryption allowed the organization to enforce a strict separation of duties between security and IT management, protecting data against both external threats and unauthorized internal access.



Cryptographic key management

The team employed CipherTrust Cloud Key Manager for both Microsoft Azure and Salesforce. CipherTrust Cloud Key Manager combines support for cloud provider bring your own key (BYOK) APIs, cloud key management automation, and key usage logging and reporting. This provides cloud consumers with a cloud key management service that delivers strong controls over encryption key life cycles for data encrypted by cloud services.

CipherTrust Cloud Key Manager centralizes encryption key management from multiple environments, presenting all supported clouds and even multiple cloud accounts in a single browser tab. Advanced cloud key management capabilities include automated key rotation, key expiration handling, and cloud key vault synchronization. These significantly reduce the time required for cloud key life cycle management.

Results

Using CipherTrust Transparent Encryption and CipherTrust Cloud Key Manager the data security team centralized policy-based control over data security and access to sensitive data. This minimized both external and internal data security threats and allowed the customer accelerate the adoption of new cloud platforms by:

- Streamlining data protection across multiple platforms with "least privileged" access policies for all environments.
- Centralizing management of multi-vendor keys, effecting data security while business areas take advantage of cloud services.
- Simplifying compliance with PCI, GDPR and other regulations with policy-based control and reporting approved by the internal audit team.

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.