

Global Automotive Manufacturer Improves Security and Compliance Across Cloud and Legacy Systems

This major automobile manufacturer based in Europe had grown through years of acquisitions and organic growth, establishing manufacturing and sales operations in multiple countries across the world. In order to support these operations the enterprise went through a period of accelerated digital transformation, adopting cloud and other platforms. This resulted in increased volumes of sensitive data flowing through multiple on-premises and cloud environments, being accessed by hundreds of thousands of employees.

Faced with an increasingly complex and risky cyber security environment, this global enterprise wanted to improve control proactively over its sensitive data across the multiple platforms used by its corporate and subsidiary offices. The enterprise also wanted to continue to comply with all major data protection and privacy legislations and to pass security and compliance audits in multiple regional markets.

The challenges

The organization started multiple initiatives to improve security of highly sensitive data and applications across its hybrid IT landscape. This resulted in projects focusing on:

- Protection of sensitive data across multiple instances of Salesforce and Office 365 applications used by global subsidiaries and headquarters.

- Improving privacy and data security compliance posture by securing sensitive data stored on several legacy systems including Windows, Linux, and Hewlett Packard UX.
- Implement better access control to sensitive internal resources and applications by hundreds of thousands of employees in multiple countries.

The solution

Over the course of multiple implementations, Thales helped this enterprise protect sensitive data in multiple on-premises and cloud systems and control access by hundreds of thousands of employees in Headquarters and subsidiaries.

Thales streamlined protection of data on cloud Software-as-a-Service platforms such as Salesforce and Office 365 with a centralized key management lifecycle using the Ciphertrust Cloud Key Manager (CCKM) solution. The CCKM solution enabled full control over encryption keys across platforms and tenants through a single pane of glass, automating key lifecycle management and implementing strong separation of duties between cloud service providers bring your own key (BYOK) services and the automotive manufacturer security team.

The implementation of Thales Ciphertrust Transparent Encryption with centralized key management secured the data in several legacy systems including Windows, Linux, and HP UX. Ciphertrust Transparent Encryption enabled the automobile manufacturer to encrypt sensitive data and define granular policies for access to secure data, minimizing external threats and privileged credentials abuse.

Finally, Thales implemented PKI-based access management and authentication based on the Luna Hardware Security Modules(HSM) root-of-trust, enabling hundreds of thousands of employees to access sensitive systems and applications securely from multiple countries.



The results

The automobile manufacturer was able to improve security, reduce the risk of data breaches across the enterprise, and enhance its overall compliance profile. The improved security in cloud Software-as-a-Service environments provided by centralized key management was essential to allow subsidiaries to continue to take advantage of cloud services while keeping sensitive customer and enterprise data safe.

The centralized enforcement of granular security policies applied to data in legacy environments enhanced the company's security posture and accelerated compliance with regulations such as the global PCI mandate and the EU's General Data Protection Regulations (GDPR) legislation. The strong PKI-based access management and authentication enabled hundreds of thousands of employees to access sensitive internal resources without creating vulnerabilities at every access.

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.

Challenge:

- Protect of sensitive data in Salesforce and Office 365
- Improve privacy and data security compliance posture
- Implement better access control to sensitive resources

Solution:

- Ciphertrust Cloud Key Manager (CCKM)
- Ciphertrust Transparent Encryption
- Luna Hardware Security Module

Result:

- Improved security in cloud SaaS environments with centralized key management
- Accelerated compliance with centralized enforcement of granular security policies
- Secure access by hundreds of thousands of employees with PKI-based access management