

Transform cloud security into a strategic advantage

Securely migrate sensitive workloads, simplify access to cloud resources, and maintain exclusive control over your encryption keys with Thales and Google Cloud.

Organizations wanting to accelerate their innovation and modernization by exploiting sensitive data in the cloud are often frustrated when national, industry, and internal compliance regulations slow down or halt their digital transformation programs. Cloud security architects and security budget owners face intense pressure to modernize operations without compromising data sovereignty or exposing critical assets.

Challenges include:



The sovereignty stalemate

Highly regulated organizations want the innovation of Google Cloud. However, the need to comply with stringent mandates like GDPR, CCPA, NIS2, and PCI-DSS can block migration efforts unless enterprises can prove they have exclusive, independent control over their encryption keys and identity data.



The blind subpoena fear

Security teams worry that storing encryption keys with a cloud provider, coupled with a potential loss of sovereignty resulting from the US CLOUD Act, may expose sensitive data to unauthorized access or government warrants without their knowledge or consent. They lack the cryptographic separation of duties required to feel truly secure.



The key sprawl crisis

As organizations rapidly adopt hybrid and multi-cloud strategies, managing distinct encryption tools for each platform creates dangerous operational silos. Security teams struggle with inconsistent policies, mounting administrative overhead, and gaps in visibility that leave sensitive data vulnerable to increasingly sophisticated attacks.

An elite partnership for complete data control

You don't have to choose between advanced cloud innovation and ironclad data security. To confidently move high-assurance data to the cloud, your organization requires hyperscale innovation and strict cryptographic control combined with strong identity governance for the workforce that accesses that data.

Thales FIPS-certified key management + Google Cloud scalable infrastructure = Uncompromised digital sovereignty

Google Cloud delivers secure, scalable infrastructure for advanced compute, generative AI, and collaboration. Thales jointly developed external key management with Google and is one of the only independent providers recommended by Google Cloud for both Google Cloud External Key Management (EKM) and Google Workspace Client-side Encryption (CSE) and Identity and Access Management (IAM). Through Thales' unified approach to encryption, authentication, and workforce access protection, organizations can ensure that only verified users access sensitive data and cloud services.

Together, Thales and Google Cloud deliver trusted, FIPS-certified expertise in encryption, authentication, workforce identity protection, external key management, and regulatory compliance. The partnership enables Hold Your Own Key (HYOK) to become a reality—ensuring your encryption keys never permanently reside on Google Cloud servers while maintaining strict control over who can access protected data.

The measurable impact of Thales and Google Cloud

221% ROI

over three years achieved by organizations deploying the Thales CipherTrust platform.

70%

reduction in encryption and key management effort, delivering massive operational efficiency.

¹ Forrester, Total Economic Impact™ of Thales CipherTrust Data Security Platform

Unlock the power of Thales EKM: key features

- ➔ **Maintain exclusive control over encryption keys.**
Leverage the HYOK model with Thales CipherTrust Cloud Key Management (CCKM) using CipherTrust Data Protection Platform as a Service. Master keys are securely generated by and stored in FIPS 140-2 Level 3 certified Luna Cloud Hardware Security Modules (HSMs) root of trust. This solution sits entirely outside of Google Cloud infrastructure, completely mitigating third-party risks and blind subpoenas.
- ➔ **Automate compliance and streamline audits.**
Simplify adherence to global mandates with a single pane of glass for centralized key lifecycle management. Built-in reporting integrates natively with Google Cloud's monitoring tools to deliver automated audit trails and ensure cross-regional compliance, drastically reducing your audit preparation time.
- ➔ **Drive high-performance cloud agility.** Securely adopt high-value cloud services without introducing operational silos. Native interoperability via Google Cloud EKM APIs ensures secure, low-latency key operations for cutting-edge capabilities like BigQuery, Compute Engine, and Vertex AI.

Build a future-ready security foundation

Experience complete control, compliance, and cloud security with Thales and Google Cloud. Protect your existing sensitive data and confidently unlock the power of Google Cloud's advanced analytics, AI, and Workspace collaboration.

Learn more about Thales CipherTrust Data Security Platform and SafeNet Trusted Access on [the Google Cloud Marketplace](#) and at cpl.thalesgroup.com.