



CipherTrust Tokenization for Executive Peace of Mind

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THALES
Building a future we can all trust

The Challenge

Executives today are under increasing pressure to protect sensitive customer data. Data breaches can result in financial penalties, public disclosure, and even personal liability. Regulations like PCI DSS, HIPAA, and GDPR demand strong safeguards for personal data—but achieving compliance without hindering operations is difficult.

Data protection solutions often exist in silos. Developers are burdened with crypto implementation. Policy enforcement is inconsistent and the audit trail is fragmented.

How Thales Can Help

Thales provides Tokenization as part of a unified Data Security Platform that supports Tokenization, Encryption, Data Masking and Redaction so that you have the right data protection for every type of data you have—regardless of where it resides; in an application or a database, on premises or in the cloud.

With CipherTrust Vaulted Tokenization (CT-V), CipherTrust Vaultless Tokenization (CT-VL), and CipherTrust RESTful Data Protection (CRDP), you can:

- Protect data whether it is in applications or databases
- Replace sensitive values with format-preserving tokens
- Choose vaulted or vaultless models to fit your systems
- Centralize control of policies, keys and audit trails

Both Vaulted and Vaultless options integrate with CipherTrust Manager and a FIPS 140-3 Level 3 HSM, helping you prove due diligence and reduce scope.

Thales helps you secure sensitive data across any system without management complexity. And it gives you the ability to demonstrate accountability when it matters most.

Thales Solution Benefits

- Reduce PCI DSS compliance scope and associated audit burden
- Protect PII, PHI, and cardholder data even if systems are breached
- Avoid liability by proving data was protected and access was controlled
- Combine Tokenization with Data Masking and Redaction to deliver end-to-end control
- Enable innovation in cloud and analytics environments without increasing risk
- Tokenize data at rest, in motion, and in use

Core Use Cases

- Format-preserving Tokenization for applications and databases
- Vaulted or Vaultless protection for data in cloud, hybrid, or on-prem environments
- Tokenization, Encryption, Data Masking and Redaction on one platform

Conclusion

Thales Tokenization solutions reduce executive exposure by removing sensitive data from high-risk systems. It simplifies compliance, lowers audit costs, and strengthens your ability to respond confidently to regulators, customers, and the board.

About The CipherTrust Data Security Platform

The award-winning CipherTrust Data Security Platform is an integrated set of data-centric solutions that remove complexity from data security, accelerate time to compliance, and secure cloud migrations. Thales is proud to have been recognized as an Overall Leader in the KuppingerCole Leadership Compass on Data Security Platforms as well as a Strong Performer in the Forrester Wave and to be featured in Gartner's Market Guide to Data Security Platforms.

The CipherTrust Platform unifies data discovery, classification, data protection, and centralized management for keys and secrets into a single platform. This results in fewer resources dedicated to security operations, ubiquitous compliance controls, and significantly reduced risk across your business.

About Thales

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