

Sensitive Data-Centric Encryption of Data-at-Rest with Thales CipherTrust Transparent Encryption and Spirion

Automate policies to enforce data protection with encryption driven by sensitive data discovery and classification



Introduction

Every day 2.5 quintillion bytes of new data are created. In enterprises, that data is shared more than ever before. At the same time, increased cloud adoption and current remote work policies have obliterated the perimeter, requiring new strategies for data protection. Further complicating matters, IT leaders must safeguard sensitive data without burdening end-users with time-consuming and productivity-sapping restrictions to access data needed for their job roles.

When planning your enterprise security, it's no longer enough to lock down the network. The security must be embedded with the data wherever it travels. Encryption achieves this goal by making the data readable only to those individuals with the proper access levels. For some organizations, only a small fraction of the data that is stored contains sensitive data, and encrypting data comes with its own challenges, including blocking legitimate access and reducing productivity.

Information like customers' personal information (credit card numbers, social security numbers, etc.) or internal confidential

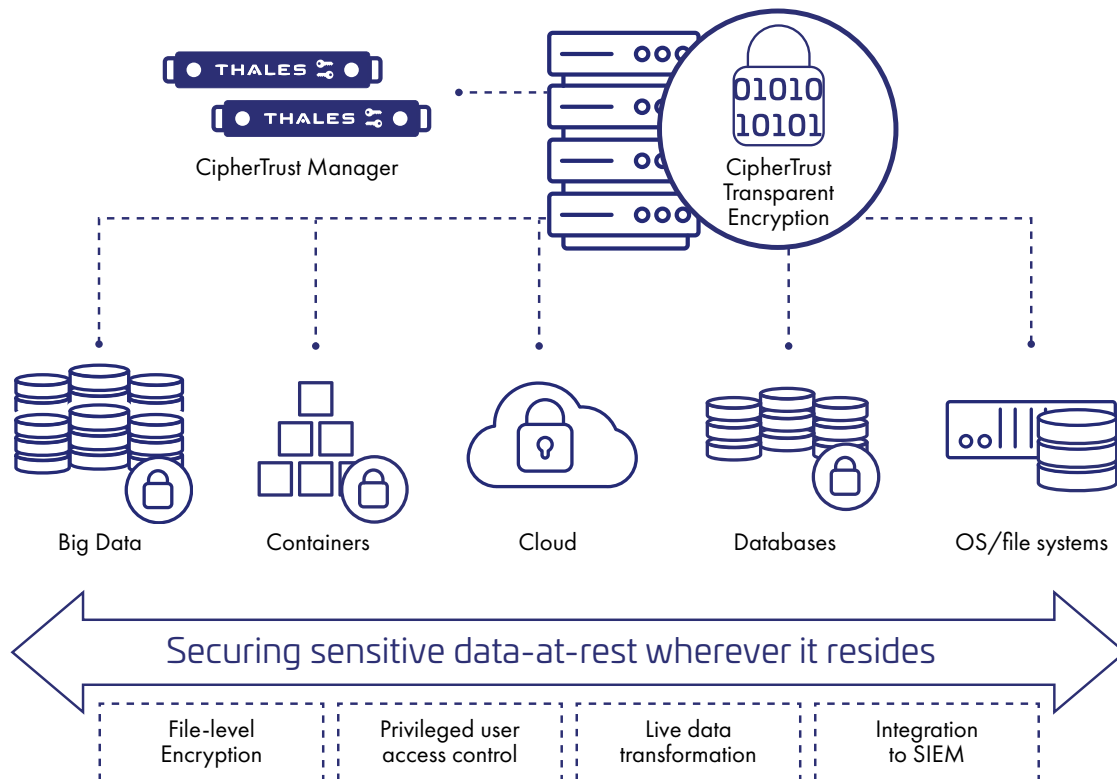
documents could be tightly secured, while the vast majority of your organization's data that is public could continue to flow freely.

Reinventing Access Governance

The traditional way to protect sensitive data has been to restrict access to servers, shared folders, and other data storage, a broad and overly restrictive practice based on where a file is located, rather than considering what it contains.

This conventional access governance practice, combined with encryption solutions, can be very effective at locking down rarely accessed or updated files. This approach excels at keeping prying eyes away from unauthorized data but can often fall short in many ways, blocking legitimate access and reducing productivity.

To meet the challenges of modern perimeter-less, data-driven enterprises, Thales CipherTrust Transparent Encryption and Spirion have teamed up to re-invent file-level access and rights management.



It Begins with Data Discovery & Classification

The most accurate data identification delivers the most precise protection. Data can't be properly protected if its sensitivity and distribution aren't entirely understood. Spirion data identification solutions help discover, classify, and remediate sensitive data wherever it lives, with industry-leading accuracy you can trust.

Spirion performs fast and accurate searches of both structured and unstructured data in ways that even seasoned end-users cannot, on hosted and on premise email servers, databases, endpoints, and the cloud. By leveraging the automation and accuracy of Spirion sensitive data identification, organizations can more accurately focus their data security spending and protect sensitive data.

Thales CipherTrust Transparent Encryption

CipherTrust Transparent Encryption delivers data-at-rest encryption with centralized key management, privileged user access control, and detailed data access audit logging. This protects data wherever it resides, on-premises, across multiple clouds, and within Big Data and container environments.

The deployment is simple, scalable, and fast, with agents installed at the operating file system or device layer, and encryption and decryption are transparent to all applications that run above it. CipherTrust Transparent Encryption is designed to meet data security compliance and best practice requirements with minimal disruption, effort, and cost. The server encryption solution works with the FIPS 140-2 up to Level 3 validated CipherTrust Manager, which centralizes encryption key and policy management for the CipherTrust Data Security Platform.

Transparent Data Protection

Transparent and continuous file-level encryption protects against unauthorized access by users and processes in physical, virtual, and cloud environments. Because the encryption is applied at a file level and based on the data discovery and remediation applied by Spirion, implementation can be done without disrupting ongoing business and operational processes even during deployment and rollout.

Scalable and Flexible

Scaling to deployments of tens of thousands of physical or virtual servers, Thales CipherTrust Transparent Encryption is available for Windows, Linux, and Unix platforms. The enterprise encryption software can be used, deployed, and maintained across physical, cloud, container, and big data environments. Overhead from encryption is minimized using the encryption capabilities available in modern CPUs.

Thales and Spirion Better Together

Thales and Spirion are helping organizations stay ahead of shifts in the modern threat landscape by delivering solutions that focus directly on the data without reliance on an increasingly porous perimeter. Thales CipherTrust Transparent Encryption allows IT organizations to easily control access to sensitive or restricted documents, enabling intelligent encryption that is surgically focused on the data itself, not just where it happens to be stored.



Spirion scans and identifies

on-premises, in the cloud, even endpoints



Sensitive data discovered

on-premises, in the cloud, files quarantined per workflows and playbooks



Thales applies encryption

quarantined GuardPoint folder automatically applies encryption and key management



The file is available only to authorized users

unlocked transparently for only authorized users

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.

About Spirion

Spirion has relentlessly solved real data protection problems since 2006 with accurate, contextual discovery of structured and unstructured data; purposeful classification; automated real-time risk remediation; and powerful analytics and dashboards to give organizations greater visibility into their most at-risk data and assets. Visit spirion.com.