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Building a future we can all trust

Integrated Data Discovery and Classification with Enhanced Protection



The problem: Sensitive data that needs to be protected exists in multiple formats in heterogeneous data stores across your organization

Today's organizations create, store, and manage more data than ever before. This includes sensitive data containing employees' Social Security numbers, customer data, and personally identifiable information (PII). Keeping this enormous amount of data secure and in compliance with stringent data security and privacy laws around the world requires data management and control.

An enormous initial task most organizations face is finding and classifying the sensitive data they are responsible for. If you don't know what data you have, and where it lives, you can't protect it effectively and your data is vulnerable. Data is one of the most valuable, but risky, business assets, and organizations need an integrated data discovery , classification and protection solution to protect the data and reduce the risk that it will be compromised.

Steps to effective data protection for a secure organization

- **Set policies to search for sensitive data in different data stores**
  Determining what types of sensitive data exist within your organization can present challenges. It is an effort that should be organized around business processes and driven by process owners.
- **Discover the location of your data**
  Data discovery tools can help generate an inventory of structured and unstructured data and help you understand exactly where your company's sensitive data is stored, regardless of the format or location. These tools also help address difficulties around identifying data owners by providing insights about users who are handling data in the cloud or on-premises.
- **Identify and classify data**
  After you know where your data is stored, you can identify and classify it, so it's appropriately protected. Having visibility into the classification of the data the organization holds, provides an understanding of the data to protect, how to do it and how to use the different data types.
- **Complete a risk assessment of sensitive data**
  Identify the risks associated with the personal and sensitive data based on sensitivity levels or data types. By risk, we mean likelihood of that data being exposed, as well as risk scores that can rank the data at most risk. The risk should consider different aspects such as number of occurrences, type of data, location, among others. This understanding of the risk allows prioritization of the remediation actions.
- **Protect data at risk**
  Once organizations have a clear understanding of their personal and sensitive data and its risks, they can tie them back to privacy and security obligations and determine the most appropriate measures to minimize risks and comply with these.

The solution: How an integrated data discovery, classification and data protection solution helps

To apply a consistent policy across all data sources in the organization you need intelligent, integrated workflows that can automatically discover, classify, and protect data based on sensitivity, vulnerability, and other risk profiles. An integrated and automated solution helps eliminate blind spots and human error, which can make a huge difference in complying with varied regulations.

CipherTrust Intelligent Protection discovers and classifies data based on sensitivity, vulnerability, and other risk profiles and proactively protects at-risk data using encryption and access controls. It does this by providing:

- Built-in templates that enable rapid discovery and classification of unstructured sensitive data
- Configurable policies to protect at-risk data stored across file servers

CipherTrust Intelligent Protection is a solution configuration within the Thales CipherTrust Data Security Platform that leverages the CipherTrust Manager, CipherTrust Data Discovery and Classification and CipherTrust Transparent Encryption. This all-in-one solution simplifies and strengthens your organization's data security with a proven unified approach.

Seamlessly enforce protection for sensitive data.

Thales CipherTrust Intelligent Protection discovers and classifies data based on sensitivity, vulnerability, and other risk profiles and proactively protects at-risk data using encryption and access controls.

- **Policies:** Define your data security and privacy policies, data stores, classification profiles, and scans.
- **Discovery:** Locate both structured and unstructured sensitive data across the entire enterprise in multi-cloud, big data, relational databases, or file storage systems.
- **Classification:** Classify sensitive data, such as national IDs, financial data, and personal data, based on built-in templates or market-proven classification techniques.
- **Risk analysis:** Understand your data and its risks with rich visualizations and risk scores.
- **Remediation**: Remediate the risks with most appropriate data protection techniques, such as encryption and access controls.
- **Detailed reports:** Leverage charts and reports for risk analysis, status, and alerts throughout the data lifecycle.



Why Use Thales CipherTrust Intelligent Protection?

- Accelerate time to compliance
  - The 'all-in-one' solution secures your organization's sensitive data and supports ubiquitous data security and privacy requirements under GDPR, CCPA, PCI-DSS, HIPAA, and other evolving regulatory and industry mandates.
- Build operational efficiency with integrated workflows
  - Data security operations are simplified, and data protection is strengthened with truly seamless workflows for centralized data discovery, classification, encryption, access controls, and key management
- Uncover and close security gaps
  - Uncover security gaps and apply the most appropriate data protection technique to proactively protect data based on vulnerability and risk profiles.

CipherTrust Data Security Platform

CipherTrust Intelligent Protection is part of the CipherTrust Data Security Platform. The CipherTrust platform unifies data discovery, classification, and data protection. It provides unprecedented granular access controls and centralized key management. This simplifies data security operations, accelerates time to compliance, secures cloud migrations, and reduces risk across your business.

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.

Contact us – For all office locations and contact information, please visit cpl.thalesgroup.com/contact-us

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