



Data Discovery and Classification is the process of identifying and classifying your data and the personal information within it, allowing you to be more secure and more compliant. Data discovery and data classification are the two most essential components of data management.

Data discovery is the process of identifying and locating data sources, understanding data formats, and assessing data quality. Data classification is the process of labeling and tagging data based on its sensitivity, value, and regulatory requirements. Data is most commonly classified as public, internal, confidential, or restricted.

The Challenge

Traditional data discovery methods have served organizations well in detecting well-structured patterns. However, as data formats evolve, these rule-based methods reveal critical weaknesses:

- Lack of Flexibility: Regex patterns struggle with unstructured or dynamic data, such as addresses, organization names, or proprietary documentation lacking of standard patterns.
- Context Blindness: Pattern matching lacks contextual awareness distinguishing "Apple" as a fruit versus a company is challenging.
- Manual Maintenance: Every change in data format requires updates to regex rules, making it resource-intensive and unsustainable.
- Data Evolution Complexity: As seen with telephone numbers, formatting changes over time, requiring frequent updates to detection mechanisms. As businesses navigate these challenges, the need for an adaptive, intelligent, and scalable solution has never been clearer.

The Solution

Thales Data Discovery Methodology, powered by AI/ML provides the following to you.

- Adaptive Learning: Models like BERT understand context and continuously improve based on labeled training data.
- Context Awareness: Al recognizes the difference between similar terms based on surrounding content.
- Scalability: Once trained, models can detect sensitive data without requiring constant rule modifications.

By integrating Al-driven data discovery with Regex data discovery, businesses gain greater accuracy, reduced manual intervention, and improved compliance. CipherTrust Data Discovery and Classification enables developers to have a single source and process for secrets discovery, that eliminates downtime, and promotes security and compliance. Become more efficient with CipherTrust Data Discovery and Classification.

Benefits



Greater Visibility of Seamless Compliance

Enhance data visibility to effortlessly navigate broad regulatory frameworks like GDPR and CCPA, ensuring compliance with greater confidence



Smart Access Control

Improves security strategy by implementing precise access control across different departments based on document categories.



Operational Efficiency

Reduce the response time for data subject requests from days, weeks, or months to just minutes.

CipherTrust Data Discovery and Classification (DDC) provides complete visibility into the location of sensitive data enterprise, empowering you to make better use of your data while mitigating risks and ensuring compliance

Almost 70% of enterprises are able to classify only 50% or less of their sensitive data.

Source: 2024 Data Threat Report

Features



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Enhanced Security & Risk Analysis

Risk analysis is the process of understanding what risks your data presents.

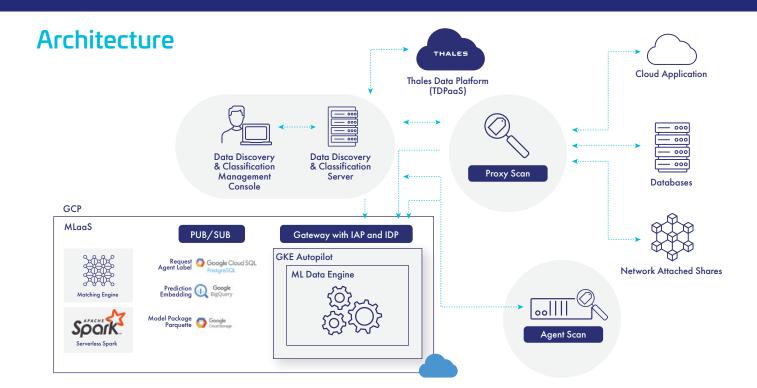
Enhanced security is the process of taking advanced security measures based on its risk and classification.



Compliance & Governance

Compliance is the process of following a set of rules, laws, or standards.

Governance is a system of rules and practices that help guide how data is managed.



Why choose Thales for Data Discovery and Classification?

Thales' CipherTrust Data Discovery and Classification (DDC) is chosen for its ability to provide comprehensive visibility into sensitive data across diverse environments, enabling organizations to enhance security, accelerate compliance, and manage data effectively.







