



# Meeting Compliance and Data Privacy Requirements



## Thales helps you meet common compliance and data privacy requirements ...



Discover and  
classify sensitive  
data and  
analyze risks



Protect sensitive  
data with  
encryption and  
tokenization



Control access  
to data with  
centralized key  
and policy  
management



Audit all attempts to  
access data and  
encryption keys with  
logs and reports

... across traditional and next generation platforms



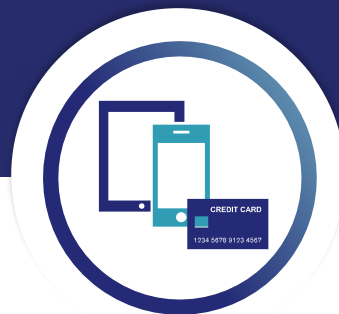
Multi-cloud data  
security



Secure sensitive  
information in Big  
Data analytics



Container  
data security



Transaction and  
digital payment  
security

## Thales Data Protection solutions address key compliance requirements

### Discover and Classify Sensitive Data



Discover structured and unstructured data across the entire enterprise



Classify sensitive data based on built-in and customizable templates

### Protect Data at Rest and Data in Motion



Encrypts data at rest anywhere it resides with centralized key management



Provides network independent encryption for data in motion

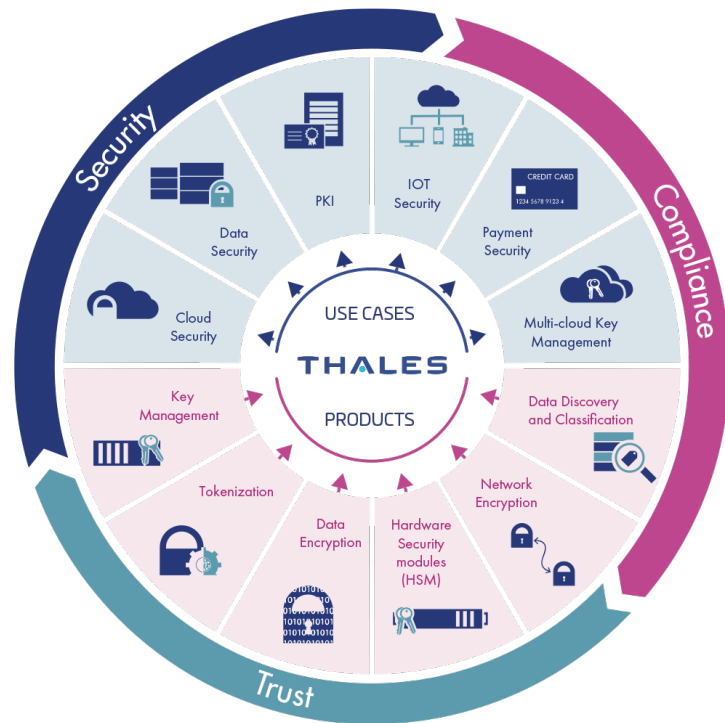
### Control Access and Centralized Key Management


















Centralized encryption key and policy management


















Controls access to sensitive data with privileged user access management and strong authentication



## Thales Data Protection solutions address key GDPR Requirements

Requirements	GDPR	Thales Supporting Capabilities
Records of processing activities	Article 30	 Data Discovery and Classification
Pseudonymisation and Encryption	Article 25, 32	 Transparent File and Volume Encryption  Application Data Protection  Tokenization  Cloud Key Manager  Multicloud Data Security
Breach notification (avoidance)	Article 3, 34	 Transparent File and Volume Encryption  Application Data Protection  Tokenization  Cloud Key Manager  Multicloud Data Security
Data access controls	Article 5	 Transparent File and Volume Encryption  Policy-based Access Controls  User and Device Authentication
Evidence of Data access	Article 5	 Data Access Audit Logs

## Thales Data Protection solutions address key PCI DSS Requirements

Requirements	PCI DSS	Thales Data Protection Supporting Capabilities
Protect cardholder data storage and retention time	3.1	 Data Discovery and Classification
Protect cardholder data	3.4, 3.5, 3.6	 Transparent File and Volume Encryption  Application Data Protection  Tokenization  Cloud Key Manager  Enterprise Key Management
Encrypt data transmissions	4.1	 Network Encryption
Restrict access to cardholder data	7.1, 7.2	 Transparent File and Volume Encryption  Policy-based Access Controls  User and Device Authentication
Identify and authenticate access to system	8.1, 8.3, 8.7	 User and Device Authentication  Policy-based Access Controls  HSM-based Key Protection
Track access to cardholder data	10.1, 10.2, 10.3	 Data Access Audit Logs  Policy-based Access Controls

## Thales Data Protection addresses data breach notification laws

### Requirements

Encrypt data and control access to protect against data breach notification requirements

### Thales Data Protection Supporting Capabilities



Data Discovery  
and Classification



Application Data  
Protection



Tokenization and  
data masking



Cloud Key  
Manager



Transparent file  
and volume  
encryption



Enterprise Encryption  
Key Management



Policy-based  
Access Controls



Multi-cloud  
Data Security

## Thales Data Protection addresses data residency requirements

### Requirements

### Thales Data Protection Supporting Solutions

Data Discovery



Data Discovery  
and Classification

Data encryption



Transparent File and  
Volume Encryption



Application Data  
Protection



Tokenization and  
Data Masking



Cloud Key  
Manager

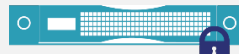


Multicloud  
Data Security

Encryption key protection



Enterprise Key  
Management



HSM-based  
Key Protection



Customer  
Control of Keys

Data access controls



Policy-based  
Access Controls



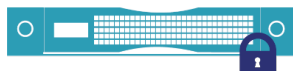
User and Device  
Authentication



## Data protection hardware



**CipherTrust Manager**  
Key Management



**Luna General Purpose  
Hardware Security  
Module (HSM)**



**payShield Payment  
HSM**



**Network Encryptors  
High Speed Encryption  
(HSE)**

## Data protection software



**CipherTrust Data  
Discovery & Classification**  
Discover & classify  
sensitive data and  
analyze risks



**CipherTrust Transparent  
Encryption**  
File-level encryption with  
granular access controls and  
auditing



**CipherTrust Application Data  
Protection**  
Protects data from within  
applications via RESTful APIs



**CipherTrust Database  
Protection**  
Protects databases with  
column-level encryption



**CipherTrust Tokenization**  
Delivers vaulted and vaultless  
tokenization services via APIs



**CipherTrust Cloud Key  
Manager**  
Manages key lifecycle  
across multiple cloud  
providers



**CipherTrust Enterprise Key  
Management**  
Manages key lifecycle for  
KMIP and database TDE  
systems



**CipherTrust Batch Data  
Transformation**  
Provides static data masking  
techniques to encrypt and  
tokenize data

For more information on how Thales can help you meet  
your compliance and security needs

## Contact us

For all office locations and contact information,  
please visit [cpl.thalesgroup.com/contact-us](https://cpl.thalesgroup.com/contact-us)

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