

# Thales Secures SAP Data with Dell in Any-premises

## Using the CipherTrust Data Security Platform to Solve SAP Compliance, Cost, and Performance Challenges



### Key benefits:

- Satisfies a wide variety of data security and privacy compliance obligations
- Data-centric security suitable for on-premises, hybrid and multi-cloud architectures
- Policy-based user access controls protect against privileged insider risks
- Centralized enterprise key management streamlines and scales security administration to reduce costs

### The Business Challenge: SAP Workloads Are Targets For Data Breaches And Regulatory Compliance

Every aspect of a modern enterprise's identity is defined by how it accesses, analyzes, and uses data, often with SAP at the heart. SAP stores some of the most sensitive data – HR to finance – in any organization and requires security. As a result, they are prime targets for hackers and privileged insiders looking to steal high-value data. Any SAP modernization plan must include a strategy for keeping data safe and compliant across an array of deployment scenarios from fully on-premises to hybrid and multi-cloud configurations.

For organizations migrating their SAP workloads to the cloud, this effort is in direct conflict with the controls they have traditionally placed around their sensitive data. Cloud migration poses notable challenges to data management, protection, and sovereignty regardless of the

architecture. How can you allow the flow of sensitive data within a company, and to and from the public cloud, while still ensuring you're in control? Is it possible to orchestrate sensitive data across a growing array of disparate functions – all of which live in hybrid or multi-cloud deployments – and still meet compliance requirements?

### The Solution

Thales CipherTrust Data Security Platform offers the only SAP-certified third-party encryption and tokenization solutions for SAP. Partnering with Dell, Thales supports customers' SAP modernization strategies whether on-premises or in any cloud scenario. Through the Dell/Thales partnership, organizations can take advantage of file-level encryption, application-level tokenization, or centralized cloud key management to secure their sensitive SAP data across an array of Dell deployment options from on-premises hardware, Dell APEX or Dell-managed hybrid or multi-cloud implementations.

### Why Use Thales Ciphertrust Data Security Platform For SAP?

CipherTrust Data Security Platform offers customers a choice of solutions that allows them to select the right tool for their particular needs. Rather than take a one-size-fits-all approach, Thales has developed a strategic partnership with SAP to develop a range of solutions that secure a wide swath of the SAP portfolio, including SAP Co-innovated and SAP-validated joint integrations.

## CipherTrust Data Security Platform:

### Thales CipherTrust Transparent Encryption for SAP HANA

CipherTrust Transparent Encryption, an SAP verified solution, secures data at the file system level to protect defined directories and prevent unauthorized system administrators, root users, or privileged users from accessing sensitive data. Typically used to secure data and log volumes, CipherTrust Transparent Encryption for SAP HANA intercepts data as it is written to, or read from, disk. Its transparent nature means no changes are required to SAP applications or databases.

### CipherTrust Tokenization for – A SAP Co-innovated Solution

CipherTrust Tokenization works with SAP ECC 6.0 and S/4HANA (via the SAP Data Custodian) to replace sensitive data with randomized values – optionally of the same length and format – as it is written to the database. Since the database stores tokens in place of sensitive data, organizations do not have to worry about unauthorized users gaining access to their running databases, and are considered outside the scope of many regulatory mandates.

### CipherTrust Cloud Key Manager for SAP Cloud Applications

CipherTrust Cloud Key Manager allows organizations to seamlessly manage the life cycle of the encryption keys, securing a range of SAP SaaS and PaaS applications from the same single pane of glass they use to manage their encryption deployments in clouds such as AWS, Azure and GCP. By adding CipherTrust Cloud Key Manager to their SAP deployment, highly-regulated customers can externally root and manage their encryption keys, or generate their own keys for use in their SAP applications. CipherTrust Cloud Key Manager simplifies key lifecycle administration and reduces the effort of demonstrating data sovereignty and regulatory compliance to support cost-effective, scalable hybrid and multi-cloud usage.

## Compliance Controls and Audit Trails

CipherTrust Data Security Platform satisfies many common regulatory compliance controls for encryption, data sovereignty, least-privileged policy, and data access auditing. By encrypting data and securely managing the corresponding key, organizations can demonstrate complete control over their data which allows them to demonstrate their data security compliance. Auditors use CipherTrust Data Security Platform logs as proof of an organization's effectiveness at controlling

their data wherever it resides. Ultimately, compliance (whether for data privacy, security, or sovereignty) is a question of control. CipherTrust Data Security Platform allows customers to clear their regulatory obstacles and keep SAP data secure in any-premises.

## Granular Access Controls and Enforcement

CipherTrust Data Security Platform allows administrators to define and enforce granular, least-privileged user access policies (e.g. by user, process, file type, time of day) to their sensitive data. Access controls serve as an additional layer of protection between data and systems that makes data safer to facilitate its portability across on-premises, hybrid or multi-cloud architectures. CipherTrust Data Security Platform mitigates risks posed by cloud, database, and system administrators, so organizations can modernize their SAP implementations with Dell.

## Better Security for Less

CipherTrust Data Security Platform consolidates data-centric security behind the CipherTrust Manager key management platform to streamline on-going security administration. CipherTrust Manager simplifies management as security needs grow, ultimately requiring less staff training, time and budget. Since each CipherTrust Manager manages every CipherTrust solution, customers are positioned to easily address future security needs from the same platform, saving both time and money.

## About Thales Trusted Cyber Technologies

Thales Trusted Cyber Technologies, a business area of Thales Defense & Security, Inc., is a trusted, U.S. provider of cybersecurity solutions dedicated to U.S. Government. We protect the government's most vital data from the core to the cloud to the edge with a unified approach to data protection. Our solutions reduce the risks associated with the most critical attack vectors and address the government's most stringent encryption, key management, and access control requirements. For more information, visit [www.thalestct.com](http://www.thalestct.com)

