Top Reasons for Migrating to the CipherTrust Data Security Platform for Dell CloudLink Customers

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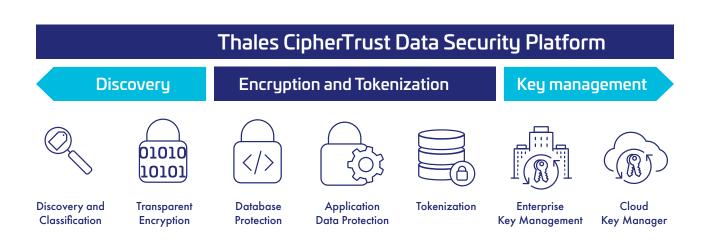THALES

Building a future we can all trust

CloudLink is the enterprise encryption and key management solution from Dell Technologies. Recently, Dell announced that CloudLink will be focused only for PowerFlex encryption and key management. CloudLink for non-PowerFlex customers went End of Sale in March 2023 and will go End of Service by March 2026.

Customers prefer a single enterprise data security platform that works across multi-vendors and on-premises and cloud-based infrastructures, to avoid the complexity of using separate key management and encryption solutions specific to each vendor. Thales' CipherTrust Data Security Platform (aka CipherTrust Platform) provides centralized key management with data discovery and classification, data protection and granular access control across multiple on-premises and cloud infrastructure providers including Dell.

Thales CipherTrust Data Security Platform

Discovery	Encryption and Tokenization	Key management

| Discovery and Classification | Transparent Encryption | Database Protection | Application Data Protection | Tokenization | Enterprise Key Management | Cloud Key Manager |

1. Simplified Enterprise Key Management

CipherTrust Manager, included in the CipherTrust Platform, simplifies key management across multiple vendors that support Key Management Interoperability Protocol (KMIP), Transparent Data Encryption (TDE) Agents on Oracle and Microsoft SQL Servers, and Linux Unified Key Setup (LUKS) Agents for Linux Servers. CloudLink only provides KMIP support and no TDE and LUKS support.

2. Multi-cloud Key Management

CipherTrust Cloud Key Manager, included in the CipherTrust Platform, provides comprehensive key management across multiple cloud service providers (CSPs) and SaaS applications. Support for both Bring Your Own Key (BYOK) and Hold Your Own Key (HYOK) services enables better customer control over their keys to encrypt data, which are required to comply with several privacy regulations. Even though CloudLink provides data encryption for containerized application on multiple cloud providers, it does not support BYOK/HYOK key management use-cases for any cloud provider.

3. Expanded HSM Options

CipherTrust Manager provides several options to integrate with FIPS 140-2 validated physical and virtual Thales Hardware Security Modules (HSMs) as a secure root of trust for improved entropy. Options include: Built-in HSM crypto accelerator card included in CM-K570; Network attached Luna HSM with clustering; Luna Cloud HSM (Data Protection on Demand service) for several major cloud service providers. CloudLink does not offer Dell native HSM options.

4. Developer Friendly APIs

The CipherTrust Platform comes with native REST application programming interfaces (APIs) in addition to NAE-XML and KMIP interfaces to offer customers options to integrate applications/appliances to provide enterprise key management functionality. Additionally, CipherTrust Manager comes with its own REST API Playground that allows customers to experiment with administration, key management, user management, and crypto operations. CloudLink only offers REST and KMIP APIs for customers to use.

5. Transparent Encryption for Filesystems & Databases

CipherTrust Transparent Encryption(CTE), a licensable component of the CipherTrust Platform, delivers data-at-rest encryption with privileged user access control for files, volumes and databases, without requiring any code change to applications. CTE offers support for Amazon S3, Live Data Transformation, SAP HANA, Teradata and file encryption in user space on Linux FUSE. CloudLink does not offer transparent encryption capabilities.

6. Speed-up Prototyping DevSecOps Use-cases

DevSecOps teams can use a free-forever version of the CipherTrust Platform, called Community Edition, which enables them to include key management as part of their infrastructure and rapidly deploy data protection controls in cloud-native applications. It includes free trial licenses to CipherTrust Data Protection Gateway (DPG) and CipherTrust Transparent Encryption for Kubernetes to transparently protect sensitive data in cloud applications and file stores without modifying legacy or cloud-native applications. Cloudlink does not offer such rapid encryption deployment options for cloud native applications.

7. Intelligent Data Discovery

The CipherTrust Platform offers data discovery and classification functionality for businesses to get a clear visibility into where their sensitive data resides across their on-premises, big data and cloud environments. It enables them to understand business risks and automate remediation actions using CipherTrust Intelligent Protection. CloudLink does not offer data discovery capabilities.

8. Application-level Encryption

CipherTrust Application Data Protection offers developer kits in various programming languages (Java, C/C++, .NET/.NET CORE) to simplify integration to the platform. It leverages field proven Crypto APIs (NAE) for applications to remotely interact with CipherTrust Manager to automate key management and encryption operations. CloudLink does not offer application-level encryption capabilities.

9. Integrated Vaulted and Vaultless Tokenization

CipherTrust Tokenization offers application-level tokenization services in two flexible solutions. Vaultless Tokenization with Dynamic Data Masking and Vaulted Tokenization. Both solutions secure and anonymize sensitive assets—whether they reside in the data center, big data environments or the cloud. CloudLink does not offer tokenization capabilities.

10. Unparalleled Partner Ecosystem

Through standard KMIP APIs, the CipherTrust platform offers an extensive set of partner integrations with leading enterprise storage, server, database and SaaS vendors such as, NetApp, Dell, VMware, Microsoft, IBM, Oracle TDE, Teradata, ServiceNow, AWS, Azure, Google Cloud and many more. Here is a complete list of CipherTrust KMIP Partners. Dell is one of our premier partners that leverages the CipherTrust platform for key management and encryption solutions.

Next Steps to Migrate from Dell CloudLink

Get more information on Thales Partner Portal: https://thales.webinfinity.com/explore/28406 or email DellSales@thalesgroup.com

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