

# Trust your data security with HPE Ezmeral Data Fabric and Thales Ciphertrust Data Security Platform

## Automate policies to enforce data protection with encryption driven by sensitive data discovery and classification

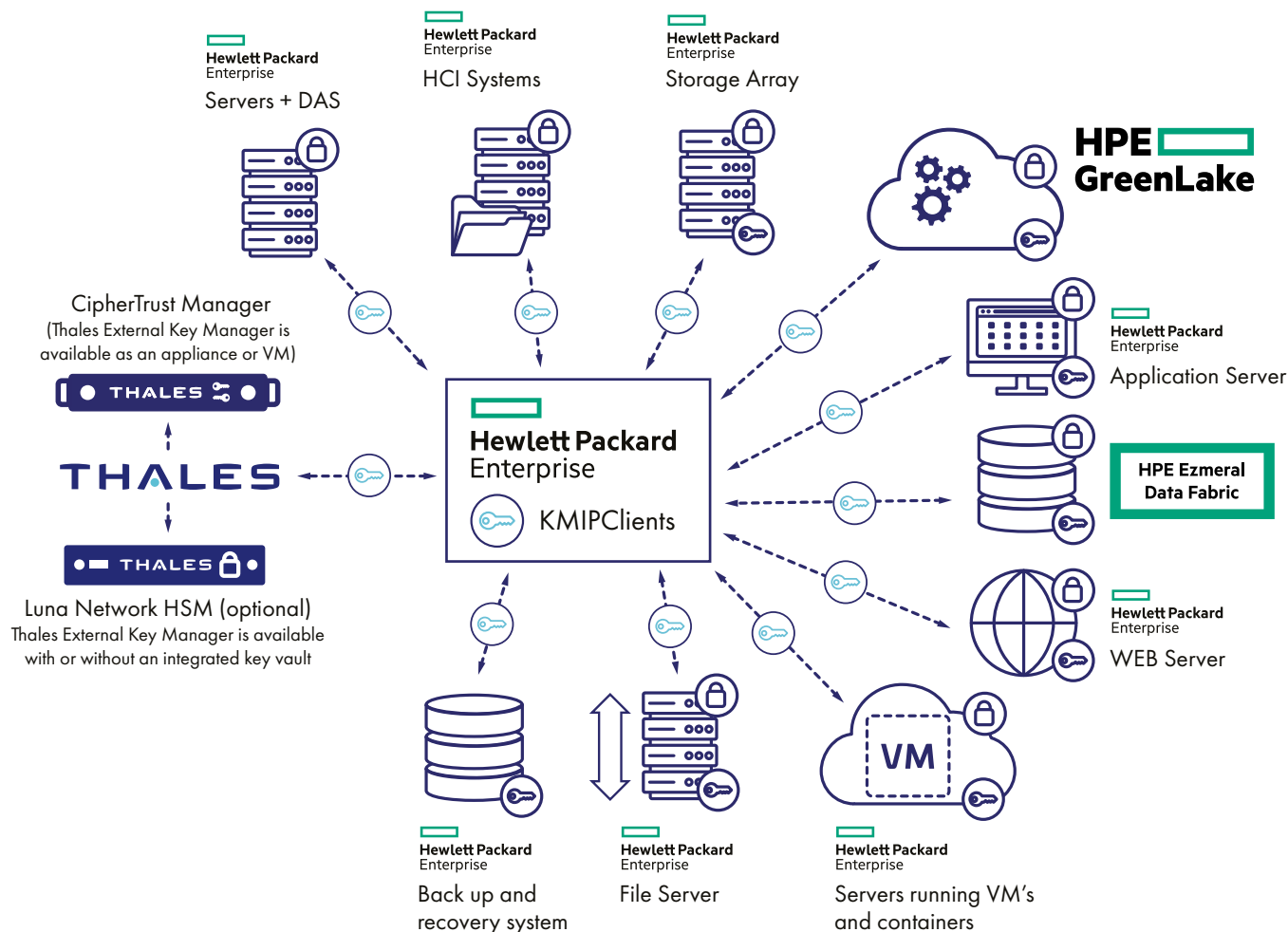


Every day 2.5 quintillion bytes of new data are created. In enterprises, that data is shared more than ever before. At the same time, increased cloud adoption and current remote work policies have obliterated the perimeter, requiring new strategies for data protection. Further complicating matters, IT leaders must safeguard sensitive data without burdening end-users with time-consuming and productivity-sapping restrictions to access data needed for their job roles.

Thales CipherTrust Data Security Platform removes complexity from data security, accelerates time to compliance, and secures cloud migrations. CipherTrust Data Security Platform unifies data discovery, classification, data protection, and unprecedented granular access controls with centralized key management – all on a single platform. This results in less resources dedicated to data security operations, ubiquitous compliance controls, and significantly reduced risk across your business.

With HPE Ezmeral Data Fabric Object Store users can unify their data globally making it available to analytics teams—whether the data is at the edge, in an enterprise data warehouse on-premises, in a cloud data lake, or on other cloud platforms. The unique data fabric technology not only helps ensure global access to data but also verifies if data is synchronized regardless of location.

The combination of Thales CipherTrust Data Security Platform and HPE Ezmeral Data Fabric enables enterprises to leverage the age of insight and unifies data discovery, classification, and data protection, while providing unprecedented granular access controls with centralized key management – all on a single platform to meet data privacy and security regulations. This solution removes complexity from deploying data security, accelerates time to compliance, and secures cloud migration, which results in less resources dedicated to data security operations, ubiquitous compliance controls, and significantly reduced risk across your business.



## Key capabilities of Thales Ciphertrust Data Security Platform

- **Comprehensive Data Protection:** CipherTrust Data Security Platform supports a broad set of data protection use-cases that deliver centralized key management, data encryption, live data transformation, tokenization with dynamic data masking, privileged user access controls and security intelligence across the entire data security lifecycle.
- **Integrated Data Discovery and Classification:** The platform offers data discovery and classification functionality for your business to get a clear visibility into where your sensitive data resides across on-premises, big data and cloud environments. It enables you to understand your business risks and automate remediation using a variety of CipherTrust Data Protection Connectors.
- **Simplified Management Console:** The platform provides a management console that streamlines connector administration with self-service licensing. From a single pane of glass, your organization can setup policies and syslog/SNMP alerts that can be integrated with your existing workflows, and security information and event management (SIEM) systems.
- **FIPS 140-2 Validated HSMs and Connectors:** CipherTrust Data Security Platform is designed to meet the strictest compliance requirements. Many of the data protection connectors are FIPS validated. In addition, the CipherTrust Manager physical appliance is already equipped with an embedded FIPS 140-2 Level 3 HSM for a secure internal root of trust. Other options include virtual and physical appliances to use an external HSM as a root of trust. For example, supported HSMs are Luna Network HSM and Luna Cloud HSM on Data Protection on Demand.
- **Accelerate Time to Compliance:** CipherTrust Data Security Platform capabilities, such as data discovery and classification, encryption, access control, audit logs, tokenization, and key management support ubiquitous data security and privacy requirements like the Payment Card Industry Data Security Standard (PCI DSS), General Data Protection Regulation (GDPR), the Health Insurance Portability and Accountability Act (HIPAA), and other global/regional data protection and privacy laws.

## Key capabilities of HPE Ezmeral

- Optimized performance for analytics: Supports file, streams, database, and now object data types within a common persistent store, optimized for superior performance across edge-to-cloud analytics workloads.
- Globally synchronized edge-to cloud data: Clusters and data are orchestrated together to support dispersed edge operations, and a single global namespace provides simplified access to edge-to-cloud topologies from any application or interface
- Performance and cost balance: Adapting to small or large objects, auto-tiering policies automatically move data from high-performance storage to low-cost storage.

## Why Thales CipherTrust Data Security Platform on HPE Ezmeral?

Thales CipherTrust Data Security Platform combined with HPE Ezmeral Data Fabric empowers users with a single source for data-intensive applications and workloads, while meeting the strictest security compliance requirements. The combined solution allows data scientists to instantly deploy clusters into production and provide real-time decisioning models to meet enterprise SLAs. It provides the flexibility to deploy and manage the compute and storage resources in any location—on-premises, in hybrid/multi-cloud environments, or at the edge.

CipherTrust Manager can be deployed either as a physical or virtual appliance with hybrid clustering for high-availability environments to ensure optimum processing regardless of the workload location (data center or cloud). CipherTrust Manager also provides multi-tenancy and separation of duty capabilities that are required to support large enterprise environments.

Additionally, the HPE GreenLake platform brings the cloud experience (self-serve, pay-per-use, scale up and down, and managed for you by HPE and our partners) to apps and data everywhere, in edges, colocations, and data centers. Therefore, it enables you to free up capital, boost operational and financial flexibility, and free up talent to accelerate what's next for you.

## 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.