

# Centralized policy & key management for Kapalya encrypted endpoints: Persistent encryption backed by Thales Virtual KeySecure



## The business problem

Increasing amounts of sensitive data now reside outside the physical walls of an enterprise as the migration to virtual data centers and cloud environments continues. Organizations are challenged to find a cost effective alternative to purchasing hardware for protecting sensitive data and simultaneously manage data protection policies to comply with GDPR mandates or industry regulations like HIPAA, PSD2, or PCI-DSS. A streamlined approach which enables companies to improve security and simplify the audit preparation process must now be part of the solution.

## Kapalya's Encryption Management Platform backed by Thales Virtual KeySecure

Kapalya's Encryption Management Platform ("EMP") leverages Thales Virtual KeySecure to seamlessly provide end-to-end encryption of all data. Thales Virtual KeySecure k170v allows companies to unify their policies across protected endpoints, and centralize ongoing key management. Whether the data resides on mobile end-points, corporate servers, or cloud servers, data protection operations can be simplified by using Kapalya's EMP with Thales Virtual KeySecure k170v to uniformly view, control, and administer cryptographic policies and keys for sensitive data.

## Key Benefits of Thales Virtual KeySecure:

- A cloud friendly key management solution built on prevailing cloud-based technologies
- Virtual appliance that quickly deploys in flexible, high-availability configurations across geographically dispersed data centers or cloud service providers
- Maintain ownership of encryption keys at all times by hardening the appliance OS and encrypting the entire virtual appliance
- Reduce costs associated with setting up and operating expensive hardware
- Meet security and compliance requirements with detailed logging and audit tracking of all key state changes, administrator access and policy changes
- Gain better visibility into any unauthorized access attempts and minimize the risk of lost or stolen keys
- Centralize the administration of authorization controls, and separation of duties between key administrators and key consumers

## Thales Virtual KeySecure

Thales Virtual KeySecure k170v is Thales' next-generation key management solution ("KMS") which allows companies to extend their data protection policies to private and public clouds and centralize encryption and key management operations across multiple cloud environments. With a broad ecosystem of partner integrations, and built-in capabilities for auditing and granular access controls, Thales Virtual KeySecure k170v simplifies governance, compliance, and security across any environment—physical, virtual, or hybrid. Thales Virtual KeySecure k170v provides a native KMS for the cloud.

## Kapalya's Encryption Management Platform

This full-service encryption solution protects all corporate data by seamlessly encrypting files on all end-points (computers/mobile devices), corporate servers and public cloud storage. Kapalya's data classification policy engine automatically scans devices for number sequences that reflect social security numbers, credit cards, etc. and will recommend these files for encryption. This engine can be customized to detect the data that matters most to your business. Kapalya utilizes NSA Suite B cryptography standards for their solution coupled with Thales Virtual KeySecure k170v meeting the most stringent compliance requirements including GDPR.





## About Kapalya

Kapalya is a data protection solution that empowers businesses to securely store and share sensitive files at-rest and in-transit across multiple platforms through a user-friendly file system. Kapalya delivers a unique approach to encryption key management by serving keys in real-time and destroying them after the encrypt and decrypt functions. Unlike other solutions that handle simply secure file sharing, Kapalya performs full end-to-end encrypted file sharing. Kapalya's goal is to support organizations around the globe in protecting data and meeting compliance.

## 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.

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