

# Kapalya Partners with Thales to Provide Centralized Key Management

Kapalya, a California based cybersecurity start-up developed a data protection solution that provides persistent encryption, protecting sensitive data regardless of where it resides and whether it's in transit, or at-rest. Kapalya partnered with Thales to leverage Thales NextGen Virtual KeySecure, which delivers the centralized policy and key management component of Kapalya's newly launched 'Encryption Management Platform'.

## The Organization

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 encrypt and decrypt functions are performed. Unlike other solutions that simply handle 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.

## The Business Problem

Increasing amounts of sensitive data now reside outside the physical walls of an organization as the migration to virtual data centers and cloud environments continues to grow. Today, most organizations run hybrid IT environments with applications they are using for their daily business needs running both on-premises and in the cloud. Additionally, employees are using devices such as smartphones, laptops and tablets for business needs outside of the organizations' walls; these devices have become their primary interface to their organization's data. This leaves organizations with the challenge of finding a cost-effective solution that not only helps protect their sensitive data wherever it resides and is being used, but also manages their data protection policies to comply with government mandates like GDPR or industry regulations like HIPAA and PCI-DSS. A streamlined approach which enables businesses to improve security and simplify the audit preparation process must now be part of every organization's data protection strategy.



"As businesses connect to more devices and cloud platforms, they need solutions that offer security without limiting their potential for innovation. With SafeNet Virtual KeySecure, we're now able to offer the ability to protect data in a seamless and cost-effective way across endpoints, public clouds and private clouds. Businesses should no longer be held back in making full use of the cloud while retaining control of some of their most important assets."

- Sudesh Kumar, Founder and CEO of Kapalya

## The Solution

Kapalya's Encryption Management Platform (EMP), is a full-service encryption solution that protects an organization's data by seamlessly encrypting files on all end-points (laptops/computers/mobile devices), corporate servers and public cloud storage. Kapalya's data classification policy engine automatically scans devices for number sequences that reflect sensitive information, such as social security numbers, credit cards and will recommend these files for encryption. This engine can be customized to detect the data that matters most to an organization. Kapalya utilizes NSA Suite B cryptography standards for their platform, coupled with Thales NextGen Virtual KeySecure which helps ensure their customers are following encryption best practices. Thales NextGen Virtual KeySecure provides the strong enterprise key management component of the platform, which also enables Kapalya customers to bolster their security and ease the effort of ongoing administration.

## Thales NextGen Virtual KeySecure

Thales NextGen Virtual KeySecure is Thales' next-generation key management solution which allows organizations 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, SafeNet Virtual KeySecure k170v simplifies governance, compliance, and security across any environment – physical, virtual, or hybrid.

## The Challenge

Kapalya needed a centralized key management solution they could leverage for their innovative Encryption Management Platform, which protects an organization's data across all end-points, corporate servers and public clouds.

## The Solution

Thales NextGen Virtual KeySecure provides the strong enterprise key management component of Kapalya's Encryption Management Platform.

## The Benefit

Kapalya coupled with Thales NextGen Virtual KeySecure helps ensure organizations are following encryption and key management best practices and can meet government regulations and compliance mandates.

## Solution Benefits

### Persistent Encryption:

- 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 NextGen Virtual KeySecure to uniformly view, control, and administer cryptographic policies and keys for sensitive data

### Centralized Key Management & Administration:

- Organizations can centralize the administration of authorization controls, and separation of duties between key administrators and key consumers
- Enables organizations to unify their policies across protected endpoints, and centralize ongoing key management

### Strengthened Compliance:

- Kapalya customers can meet security and compliance requirements with detailed logging and audit tracking of all key state changes, administrator access and policy changes that Thales NextGen Virtual KeySecure provides
- Organizations can gain greater visibility into any unauthorized access attempts and minimize the risk of lost or stolen keys. They also maintain ownership of encryption keys at all time

### Centralized Control Behind the Scenes:

- For Kapalya software end-users, the experience is transparent, as they are typically unaware of the security technologies that have been employed behind the scenes. However, they and the entire organization benefit from these vital safeguards, while the company's IT and security employees enjoy a single management interface for configuring, and monitoring data security policies across all endpoints.

## 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.