

# Secure Enterprise Key Manager

Centralized, scalable key management for your encrypted PowerEdge server drives

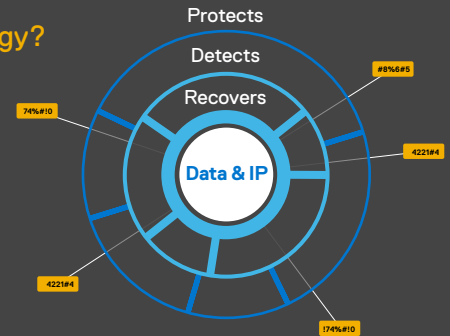
## Establishing a comprehensive security strategy for your server infrastructure has never been more important

Meanwhile, as recent customer surveys indicate, security of hardware ranks as the top server purchasing criteria<sup>1</sup>, and minimizing security risk is considered a “table stake.”

Fortunately, a cyber-resilient strategy is within reach.

## What’s a Cyber-resilient strategy?

Protecting customer data and intellectual property requires a layered approach, one that effectively Protects, reliably Detects, and rapidly Recovers, a cyber-resilient foundation built into PowerEdge servers.



## 5 Keys to Centralized, Scalable Key Management

Secure Enterprise Key Manager works on encrypted drives across data centers, remote locations, and in the cloud, and provides extra protection beyond Local Key Manager.

### Highly-available KMS Cluster

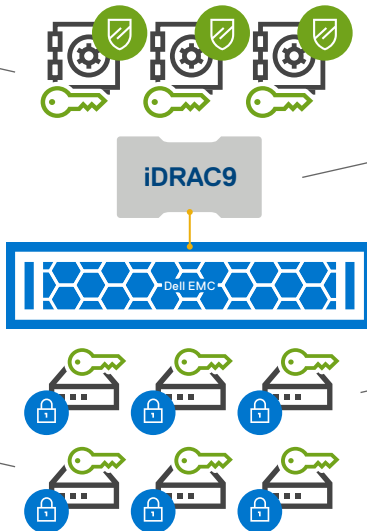
Multiple servers forming a KMS cluster assures there is no single point of failure and that the externally stored keys are always available.

### Built-In PowerEdge Security

PowerEdge servers contain a silicon root of trust, a secure boot cycle, signed firmware, BIOS recovery, and other security controls.

### Keys assigned by external KMS

On set-up in the server, self-encrypting drives are assigned a key by the external key management server (KMS) that unlocks the drive so data can flow where needed.



### Key-retrieval via iDRAC

When a power event occurs, drives are locked and keys are securely retrieved from the KMS via iDRAC, the embedded server baseboard controller.

### Scale in a Linear Fashion

Encryption is done through each drive’s hardware, allowing the solution to scale linearly while helping meet unique regulatory requirements.

### Why Store Keys Externally?

Storing keys externally makes data more secure and inaccessible without the proper unlocking key

SEKM has been validated against industry-leading KMS servers

### Industry-leading KMS

THALES



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security to be free

Complies with the KMIP protocol