

# Gemalto SafeNet Key Secure Solutions for Dell EMC XC Series Hyper-converge Appliances

Working Together to Secure Data-at-Rest

Data-at-rest security solutions must ensure that data is secure from unauthorized users and that it remains under full customer control at all times. Dell EMC XC Series appliances with self-encrypting drives (SED) secure data so that only holders of the appropriate authorization key can access it. Gemalto SafeNet KeySecure™ provides you with complete control by securing the keys required to access the SEDs.

## Centralized Management of Access Keys

Centralize and simplify key management (for example: escrow and recovery) for all XC Series self-encrypting drives and KMIP-compatible encryption solutions, while improving compliance and auditability.

## High-Availability Configurations

Cluster multiple Gemalto SafeNet KeySecure™ appliances to maintain encrypted data availability, even in geographically dispersed data centers.

Encryption is fundamental to any defense-in-depth strategy whether the goal is compliance or securing sensitive data. Self-encrypting drives are an effective way to deploy encryption in large-scale storage environments. However, as the number of drives increases, so does the number of encryption keys, key stores, and access policies needing management. The administrative effort involved in managing these deployments and the associated key lifecycle is significant, and becomes unwieldy as encryption use increases. To cost-effectively support such an environment and bring it into regulatory compliance, enterprise key management must be part of the solution.

## Solution

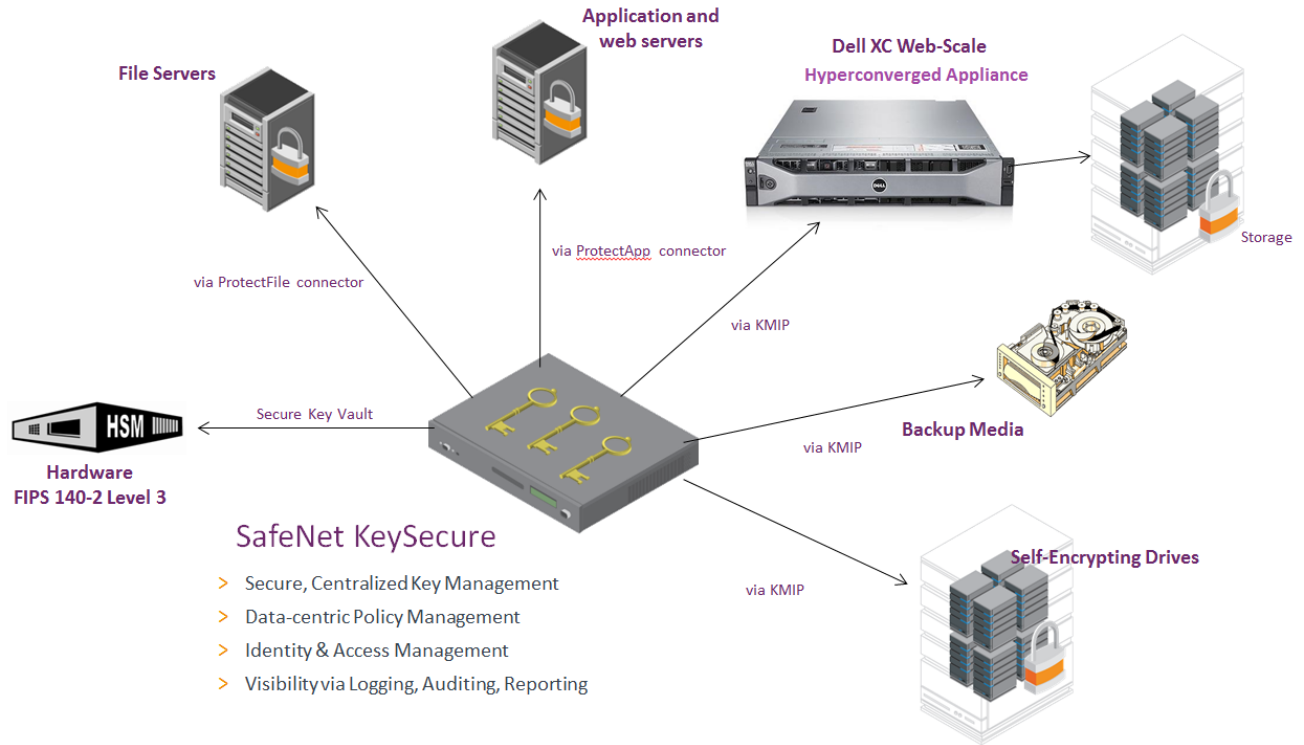
Centralizing the storage of access keys to the self-encrypting drives (SEDs) not only simplifies key management, but also ensures that encrypted data is protected from unauthorized access—even as the size of the encryption deployment grows. Dell EMC Storage self-encrypting drives ensure that data stored on those drives are secure. Gemalto SafeNet KeySecure™ 460 Secure Solutions integrates with Dell EMC XC Series appliances to provide robust, enterprise-scale key management, ensuring that access keys are managed throughout their lifecycle and properly secured with FIPS 140-2 certified hardware.

**“Together Dell EMC XC Series Web-Scale Hyper-converged appliances powered by Nutanix infrastructure and Gemalto SafeNet enterprise key management simplify the secure scaling of data storage while reducing organizational costs and complexity.”**

## Gemalto SafeNet KeySecure

Gemalto SafeNet KeySecure is a key management appliance that integrates with Dell EMC XC Series Hyper-converged appliances using the Key Management Interoperability Protocol (KMIP) to store and centralize the management of the authority credentials. With Dell EMC XC Series appliances, Gemalto SafeNet KeySecure effectively addressed all storage encryption issues and provided continuous delivery of automated and cohesive enterprise key lifecycle management, pre-activation, activation, suspension, revocation, deactivation, destruction, compromise recognition and compromise destruction.

# Data at Rest Environment



## Conclusion

A centralized Enterprise Key Management (EKM) is fundamental to enterprise storage security. Enterprise's risk management and compliance programs grow more complex, laborious, and costly as the gaps between the legacy encryption islands continue to widen. An enterprise continuing down this path will almost certainly find it increasingly taxing – and precarious. Dell EMC and Gemalto combine to offer organizations the ability to secure data through encryption without making the management of the necessary encryption keys and policies unwieldy or difficult.

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