Necessity for Secure Sensitive Data

As organizations migrate to virtual data centers and cloud environments, sensitive data is likely to reside outside the physical walls of the enterprise—on laptops, smartphones, and tablets—creating vulnerabilities. With regulations such as PCI DSS, HIPAA/HITECH, GLBA, and SOX, combined with the high cost of data breaches, the pressure to protect sensitive data has never been greater.

To guard against unauthorized use, many organizations now rely on encryption to protect their data.

And creating and managing encryption keys in multiple places, including small- and medium-sized installations and remote locations, is an essential part of the process. Many customers are looking for a solution to manage these instances; however, the upfront cost of hardware key management appliances does not fit some budgets.

SafeNet Virtual KeySecure k150v

Combat risk with affordable security

SafeNet Virtual KeySecure k150v by Gemalto is a hardened virtual security appliance that provides a more operation- and expense-friendly alternative. By using a virtual key manager instead of a hardware appliance, organizations can scale key management at remote facilities or in cloud infrastructures such as those of VMware and AWS Marketplace.

Virtual KeySecure is a subscription-based virtual solution that provides flexible, secure key management and also helps meet the most stringent security and compliance requirements. Virtual KeySecure provides application data protection and centralized key management for many different solutions, including NetApp® Network Storage Encryption, as well as any other Key Management Interoperability Protocol (KMIP)-compliant encryption solutions across stored and archived data, virtual workloads, and application data protection.

Hardened virtual appliance

SafeNet Virtual KeySecure includes features that provide hardened security, eliminating many risks and threats to sensitive data. These features include:

- Centralized key management for virtual environments in a virtual security appliance
- Hardened OS and complete virtual appliance encryption for enhanced key security and protection against snapshot attacks
- Hardware root of trust for the appliance master key using supported HSMs
- Accelerated deployments
Proven Key Management
Gemalto is the largest company exclusively focused on the protection of high-value information assets, with an extensive portfolio of solutions that enable security teams to centrally employ defense-in-depth strategies.

- Enterprise key management leader
- High availability to support cloud-scale deployments
- Proven performance profile
- Central management of multiple key types: symmetric, asymmetric, secret data, and X.509 certificates

SafeNet Virtual KeySecure is capable of managing up to 25,000 keys and 100 maximum concurrent clients per cluster. Gemalto is the only solutions provider that offers a virtual key management appliance integrated with hardware root of trust that can be used in the public cloud.

Cost efficient
SafeNet Virtual KeySecure is a subscription-based model that fits many budgets.

- It eliminates the need for additional rack space.
- Support for the OASIS KMIP standard enables increased centralization of encryption key management over time.
- It is well suited for opex models by eliminating the need for upfront payment.

Compatible
SafeNet Virtual KeySecure supports KMIP, allowing customers to consolidate key security policies and protect investments across disparate encryption systems, self-encrypting drives, tape archives, storage area networks, virtual workloads, and more.

- HSMs: Provides maximum security for key storage in HSMs, such as Amazon Web Services CloudHSM for subscription-based AWS environments, and SafeNet Luna SA for on-premises deployments
- VMware: Private cloud configurations
- Storage devices: Supports many popular NAS, tape, and backup storage devices from NetApp, IBM, Hitachi Data Systems, Dell, Brocade, Quantum, and others

SafeNet Virtual KeySecure k150v for NetApp Cloud ONTAP
SafeNet Virtual KeySecure k150v maintains data confidentiality on NetApp Cloud ONTAP through efficient centralized key management, and enforcing customized security policies surrounding data access. This combination of a modern storage infrastructure and SafeNet key management delivers the peace of mind that your data and its encryption keys are protected against unauthorized access, while simultaneously making the most efficient use of your storage investments.

Summary
SafeNet Virtual KeySecure is the industry’s leading platform for the centralized management and security of encryption keys. Encompassing SafeNet and third-party products, Virtual KeySecure supports a broad encryption ecosystem for the protection of sensitive data in storage, virtual workloads, and applications across traditional and virtualized data centers and public cloud environments.

About NetApp
Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

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