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security to be free

Gemalto Key Management & Hitachi Protection Platform Backup Appliance

Gemalto and Hitachi address the challenges of securing big backup environments — with unprecedented ease and cost efficiency.

Introduction

Today, protecting sensitive data is a critical mandate. Employee, patient, and customer data; regulated assets; and intellectual property must be protected against theft, exposure, and downtime—or organizations can suffer significant and long-lasting consequences to their bottom lines and reputations.

To safeguard data, IT and security organizations are increasingly being called upon to deploy robust encryption of data at rest. However, implementing these encryption technologies can create a whole set of challenges, particularly in larger enterprises:

> The processing overhead of encryption slows performance and makes scaling storage more difficult.

> If encryption is deployed in an ad-hoc fashion, with multiple products deployed across disparate departments, key management quickly becomes prohibitively expensive and time consuming.

> Key management presents inherent risks. Lost, corrupted, or stolen keys compromise encrypted data. When keys are stored in software only, they are easier to steal and leave enterprises at risk of having their data decrypted by unauthorized users.

Solution

Today, Gemalto and Hitachi bring a high-performance, scalable, and highly-secure integrated data protection solution to large enterprises and government agencies. By deploying this solution, organizations can meet their security,compliance, and business objectives with unprecedented efficiency and cost-effectiveness. The combined solution features the following offerings:

Key Features

> **Robust security.** S2100-ES3 includes hardware accelerators for inline, high-speed AES 256 encryption and decryption of compressed data. SafeNet KeySecure by Gemalto stores certificates and cryptographic keys in a hardware appliance to eliminate the attack surface left vulnerable by software-stored cryptographic materials. SafeNet KeySecure also gives security teams centralized, granular management of keys and security policies for more effective and consistent policy administration.

> **Flexible interoperability.** The S2100-ES3's efficient, easy-to scale backup platform supports the OASIS Key Management Interoperability Protocol (KMIP) for SafeNet KeySecure integration. From SafeNet KeySecure's single, centralized system, security administrators can manage cryptographic keys for application, virtual workload and storage devices from leading vendors to meet their business and security needs.

> **Highly scalable.** Built on the Hitachi storage, the S2100-ES3 offers modular expansion so organizations can scale their backup capacity as their massive data volumes grow. Customers can cluster SafeNet KeySecure appliances for high availability and to increase key storage capacity as backup capacity grows.

> **Hitachi Protection Platform** leverages reliable Hitachi storage to efficiently protect corporate data. Enterprises have the capability to manage data growth through reduction or elimination of duplicate data in their backups. This product also features an option for inline, high-speed data-at rest encryption.

> **SafeNet KeySecure.** SafeNet KeySecure by Gemalto is a key management platform that enables security teams to centrally and uniformly manage cryptographic keys across an organization. SafeNet KeySecure supports the OASIS Key Management Interoperability Protocol (KMIP) standard and secures keys in hardware or hardened virtual security appliances for flexibility in deployment.

Conclusion

Put the combined Gemalto and Hitachi solution to work for your organization and start reducing costs and risk while gaining the scalability your organization needs to contend with escalating data volumes. To learn more, visit http://www.safenet-inc.com/partners/hitachi/.

About Gemalto's SafeNet Identity and Data Protection Solutions

Gemalto's portfolio of Identity and Data Protection solutions offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions–from the edge to the core. Gemalto's SafeNet Identity and Data Protection solutions enable enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters. Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.

Key Benefits

By leveraging the combined solution from Gemalto and Hitachi, organizations can realize these advantages:

> **Reduce risk.** As a RAID-6-based, enterprise-class storage solution that includes redundant control paths and dual battery backup, customers minimize the risk of data loss and disruption associated with power outages. Key storage in tamper-proof hardware appliances means that keys are accessed only by authorized users.

> **Reduce costs.** Hitachi Protection Platform features grid scalability to eliminate data center sprawl by allowing organizations to add performance and/or capacity as more data protection is needed.Centralized key and policy management with SafeNet KeySecure cuts down on the time and cost associated with ongoing encryption administration and policy enforcement.

> **Scale more rapidly**. Hitachi Protection Platform delivers fast, scalable data protection that enables large, data-intensive enterprises to store, move, access, protect, and restore data with optimal efficiency. It's data deduplication technology detects and deduplicates all data types--even when using incremental backups and/or multi-streamed, multiplexed databases, allowing for . allows for modular expansion so customers can quickly and efficiently add performance and capacity when addressing data growth. SafeNet KeySecure supports the KMIP open standard, making deployment and integration easy. Seamless integration ensures encryption andkey management keep pace with critical transactions and processes.

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