Top 10 Advantages of the Hitachi Data-At-Rest Encryption Feature

TOP 10 ADVANTAGES

1. One license, all data.
2. Ultimate flexibility.
4. Outstanding efficiency.
5. Superior security.
7. Avoid human error.
8. Painless installation.
10. Online updates.

Scalable and Cost-Effective Data Security

Organizations are under mounting pressure to protect data throughout the storage infrastructure. Hitachi delivers an option that meets even the strictest compliance requirements for all data types. It can be deployed right onto your existing Hitachi midrange or enterprise storage system.

With advance security features and simplified management, the data-at-rest encryption feature from Hitachi Data Systems is a scalable and cost-effective data security solution.
1. One License, All Data
No reoccurring fees, no surprises. Pay just a 1-time license fee and encrypt all of the data residing on your Hitachi midrange enterprise storage system. Frame-based licensing from Hitachi delivers an encryption solution designed to protect your most sensitive data cost-effectively.

2. Ultimate Flexibility
You require flexibility when managing the protection of your data, and when your needs change, the data-at-rest encryption feature can change with it. One size does not fit all, and this feature delivers options. Encrypt all of your data in a single storage system, or leverage selective encryption within the storage system for only the RAID groups and/or pools that need it.

3. Media-Agnostic
Exploding amounts of data and myriad data types have created a number of data security challenges. When you deploy encryption on a Hitachi storage system, rest assured that any media within the system, whether it’s hard disk or solid-state disk, is being protected. Now available for Hitachi all-flash storage systems, the data-at-rest encryption feature provides a simplified and flexible data security solution.

4. Outstanding Efficiency
Hitachi continues our commitment to delivering environmentally and operationally superior solutions. Because encryption is taking place in the storage controller, you can deploy encryption without special self-encrypting drives. No more worrying about needing additional rack space, power or cooling requirements. Hitachi protects your data while helping you save space and money.

5. Superior Security
Avoid overbuying when it comes to your encryption solution. Deploying encryption on a Hitachi storage platform will help you avoid costly destruction services associated with disk drive removal. Hitachi renders data unreadable upon removal of an encryption key, allowing you to meet the compliance requirements for data security with ease.

6. Nearly Invisible
Data center friendly, Hitachi encryption is transparent to hosts and switches. Avoid the need for cable plant modifications. Data-at-rest encryption will not impact your applications and storage network.

7. Avoid Human Error
Key management can be a problem when managing encryption. Avoid the complexity of key management and protect your data from potential security compromises and data loss. Encryption on a Hitachi storage system requires no external key management server, yet it is KMIP compliant for integration with your existing solution.

8. Painless Installation
Performance impacts and outages can mean serious cost implications to your business and are risks when deploying any new solution. Hitachi eliminates those dangers, allowing you to install with ease. Install now, activate the software at any time in the future to support an existing system upgrade, and limit the impact to your operations.

9. Minimal Performance Impact
Controller-based encryption delivers a host of benefits not available with other encryption levels, including minimal performance impacts. An encryption solution on a Hitachi storage system means you can expect to experience very minimal performance impact within your operations. You can conduct business as usual while protecting your data.

10. Online Updates
Give your protected data even more protection. Hitachi encryption offers advanced security features like online updates. Change your encryption keys online after a specified time period for even more added security.