



# Secure Your Data

## with Spectra BlueScale Encryption Key Management



Spectra Logic offers the only truly integrated encryption key management option for data on tape: BlueScale® Encryption. Encryption is often complex, processor-intensive and expensive. With secure BlueScale Encryption Key Management built into Spectra libraries, encrypting data on tape is easy to manage, efficient—and free.

| Company Data Loss                          | Date     | # of People Affected |
|--|----------|----------------------|
| Health & Hospital Corporation              | 2.12.11  | 1,700,000            |
| Baylor College of Medicine                 | 1.19.11  | Unknown              |
| California Department of Public Health     | 12.15.10 | 2,550                |
| Peninsula Orthopedic Associates            | 4.11.09  | 100,000              |
| Arkansas Department of Information Systems | 2.20.09  | 807,000              |
| Christus Health Care                       | 11.7.08  | Unknown              |
| Harvard Law School                         | 11.6.08  | 21,000               |

Despite the headlines concerning data breaches, many companies still do not completely secure their data at rest. Breaches often lead to negative publicity as well as financial problems costing millions of dollars. Only companies that encrypt their tapes are truly secure

## Integrated Library Encryption Key Management

Spectra libraries with BlueScale Encryption Key Management are the only encryption solution that completely integrates library administration with encryption key management. BlueScale Key Management is secure and easy to use, providing powerful key management features for encryption and decryption, including restoration of data without a Spectra library.

## Data Protection and Destruction: Encryption Makes it Easy

Regulations increasingly specify how long data can be retained—after that point, organizations are required to dispose of it. But getting rid of stored, unencrypted data is difficult, so many organizations store data longer than they need to. BlueScale encrypted data is easy to destroy; identify the key used to encrypt data then delete the key. The encrypted data is unreadable and the tape can be recycled.

**No Changes Required.**  
**No Limitations.**  
**No Restrictions.**

BlueScale Encryption is vendor-agnostic, platform-independent, and compatible with every major backup software application. Through the BlueScale library interface, encryption keys are managed easily and securely. The keys are available for use by encryption-capable tape drives without requiring additional servers or hardware.





## Easy-to-Use Encryption Key Management

Managing encryption keys is easy with Spectra T-Series libraries. BlueScale Encryption Key Management is incorporated with standard library management tools. The Spectra T-series are the only libraries that support a single key management interface for drive-based encryption. Directly managing AES 256-bit keys for encryption-capable tape drives allows servers to be freed from software-based encryption as well as the removal of in-band encryption appliances both of which result in better network performance and faster data transfer rates.

- Implements federally approved, FIPs compliant, AES-256 bit encryption algorithm.
- Library integrated key management for encryption-capable tape drives.
- Web-based Remote Library Controller (RLC) lets you manage data encryption safely from anywhere with secured Web connection.
- Fits transparently into existing open systems environments with a vendor-agnostic, platform independent architecture and compatibility with major backup, archive and tiered storage applications.
- Provides choice: available in a free Standard Edition and a Professional Edition that supports advanced features such as multiple keys and M-of-N key support.
- Encryption keys can easily be backed up, archived and shared with other Spectra libraries.
- Quorum based authentication (Professional Edition) allows users to construct hardened, defensible key control and sharing systems.

## 4 Start Encrypting Your Data Easy Steps

1



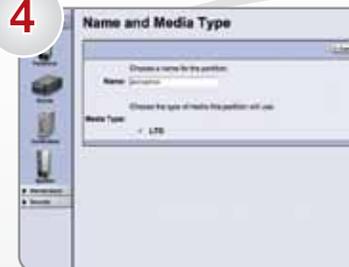
2



3



4



Step 1: Create an encryption user

Step 2: Create an encryption key

Step 3: Export the key for safe keeping

Step 4: Create a partition for encryption

**“Iron Mountain...is recommending that companies encrypt backup tapes containing personal data.”**

—Iron Mountain Press Release