

BlueScale Encryption

Despite all the headlines of data breaches, many companies still do not completely secure their data at rest. Breaches often lead to bad publicity and financial headaches that can cost millions of dollars. Only companies that encrypt their tapes are truly secure.

Secure Your Backup Data Effortlessly with Spectra BlueScale

Spectra Logic offers the only truly integrated encryption option for data backed up to tape and other removable media: BlueScale™ Encryption. Until now, encryption was too complex, too processor-intensive, or too expensive. With secure BlueScale Encryption built into Spectra libraries, encrypting backed up data is now easy to manage, efficient, and free.

The Only Key Management System Designed for Tape

Spectra libraries with BlueScale Encryption are the only encryption solution that completely integrates hardware-based library encryption with 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, and then delete the key. The encrypted data is unreadable, and the tape can be recycled.

At Risk Due To Lost Tapes

| COMPANY DATA LOSS | # PEOPLE AFFECTED | DATE |
|----------------------------------|-------------------|----------|
| Anthem Blue Cross Blue Shield | 196,000 | 1/26/07 |
| City of Kansas City | Unreported | 1/19/07 |
| Circuit City/Chase Card Services | 2,600,000 | 9/7/06 |
| Providence Home Services | 365,000 | 1/25/06 |
| LaSalle Bank | 2,000,000 | 12/16/05 |
| CitiFiancial | 3,900,000 | 6/6/05 |
| Bank of America | 1,200,00 | 2/25/05 |

**No Other Changes Required.
No Limitations.
No Restrictions. None.**

BlueScale Encryption is vendor-agnostic, platform-independent, and compatible with every major backup software application. Since encryption happens transparently at the library level, you can use it with all major media types, including LTO, SAIT, WORM-enabled LTO and SAIT. Choose how much data to encrypt—part or all. It's up to you.





Real Encryption Options: Encrypt Backed Up Data— and Manage Encryption Keys

Encryption and key management are easy to implement with Spectra T-Series libraries. BlueScale Encryption and Key Management are incorporated along side the standard library management tools. The Spectra T-series are the only libraries that support a single key management interface for both library and LTO-4 drive-based encryption. By handling AES 256-bit encryption in library or drive hardware, the servers are off-loaded from software-based data encryption. This gives you better network performance and faster backups.

Spectra BlueScale Encryption Highlights:

- Implements federally approved, FIPs compliant, AES-256 bit encryption algorithm
- Uses Standard Tape Encryption Protocol for open LTO-4 format interface of encryption, encryption key management and tape library management
- Web-based Remote Library Controller (RLC) lets you manage encryption and backup safely from anywhere with secured Web connection
- Key Management that is designed for tape
- Fits transparently into existing open systems environments due to it's vendor-agnostic, platform independence, and compliance with every backup, archival and HSM application
- Supported by all generations of media types supported by the library, including LTO, SAIT, WORM enabled LTO and SAIT
- Lets you restore data without a Spectra library: all you need is the tape, its key, and a Red Hat(R) Linux server running Endura Decryption Utility
- Provides choices: available in a free Standard Edition, and a Professional Edition that supports advanced features such as multiple keys
- Includes capability to both compress and encrypt data, all in one step and through the single library interface
- Encryption keys can easily be backed up, archived and shared with other libraries. Quorum based authentication (Professional Edition) allows users to construct hardened, defensible key control and sharing systems.

Start Encrypting Your Data in Four Easy Steps



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