Boost your security with robust data encryption on Spectra Logic Tape Libraries

Simple Encryption Key Management

The necessity to provide encryption continues to escalate as regulations and laws mandate encryption to protect personal, financial and sensitive corporate data. To help every organization secure data on tape, Spectra® offers a range of solutions to meet your individualized encryption requirements. Spectra delivers tailored, customer-centric encryption key management solutions through two flexible design options: Spectra BlueScale® Encryption Key Management is integrated-into all Spectra tape libraries. Spectra Security Key Lifecycle Manager (SKLM) is a stand-alone, centralized key manager. Spectra encryption meets customers' needs, ranging from small businesses to the largest, most security-conscious enterprises.

Spectra BlueScale Encryption

Spectra offers the only truly integrated encryption key management option for data on tape: BlueScale Encryption Key Management. With BlueScale Encryption Key Management, encrypting data on tape is easy to manage, efficient—and free. BlueScale Encryption is secure and easy to use, providing powerful key management features for encrypting and decrypting your critical data.

- **BlueScale Encryption Standard Edition** is a standard feature in Spectra libraries. It is suitable for sites that want to secure data while it is transported to a remote location and stored there for long-term archival.

- **BlueScale Encryption Professional Edition** provides additional choices for defining your data center's security level. It is suitable for sites that want the added security of multi-password access to the encryption configuration controls, the ability to import and export encryption keys, and the flexibility to store up to 30 encryption keys in the library.

Spectra Security Key Lifecycle Manager (SKLM) Encryption

For more complex and extensive requirements, Spectra SKLM is time-tested and proven across enterprises, requiring the highest encryption security standard. You can deploy a clean, simple key management solution that meets your security requirements.

SKLM enables you to control the lifecycle of keys by automating the creation, import, distribution and backup of keys. It allows key generation and distribution from a centralized location and groups devices into separate domains for simpler key management. It also supports role-based access control of administrative accounts.
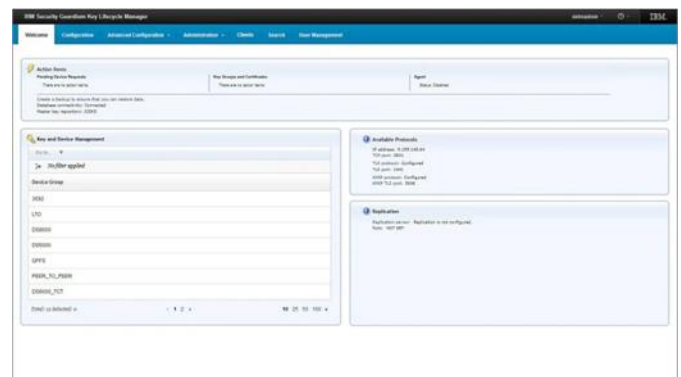
Greater Interoperability with Key Management Interoperability Protocol (KMIP)

Spectra advises choosing an SKLM solution that supports the Key Management Interoperability Protocol (KMIP), a standard for managing cryptographic keys across enterprise environments. KMIP enables seamless integration of SKLM with any KMIP-compliant application or device, including Spectra libraries, simplifying key management across diverse clients. KMIP and SKLM deliver a secure, scalable, and interoperable key management solution for modern enterprises.

Encryption Technical Specifications

Feature	BlueScale Encryption Key Management	Spectra Security Key Lifecycle Manager (SKLM)
Library Integrated Server	X	
Stand-alone Server		X
Supports Spectra Stack	X	X
Supports Spectra Cube	X	X
Supports Spectra TFinity, T950 and T-series	X	X
Spectra & IBM Library Support (dual vendor)		X
Secure Initialization Mode	X	
Graphical User Interface	X	X
Command Line Interface / ReST API	X	X
LTO-4 Drive Support	X	
LTO-5, LTO-6, LTO-7, LTO-8 and LTO-9 Drive Support	X	X
TS1150 and TS1155 Technology Drive Support		X
TS1160 Technology Drive Support	X	X
Multi-library / Multi-site Support		X
AES-256 Bit Encryption	X	X
Key Max: (Standard: 1 key) (Professional: 30 key)	X	
Key Max: 1,000,000+		X
Key per Tape		X
Symmetric Keys	X	X
Asymmetric Keys		X
Role-based Access Control (RBAC)	X	X
Key Grouping		X
Device Grouping		X
Key Group Policies		X
Key Rotation Policies		X
Key Lifecycle Status		X
Audit Verified Key Deletion		X
Certificates of Authority		X
Audit Trail		X
FIPS Certification	Tape drives only	Tape drives and key manager
KMIP Compliance		X
IKEv2-SCSI Compliance		X
Configuration, Policies, and Keystore Backup		X
LDAP Support		X

About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, from days to decades, whether on-premises, in a single cloud, across multiple clouds or in all locations at once. Our cost-effective solutions help organizations efficiently manage, migrate and store long-term data, from terabytes to exabytes, with features that make it ransomware resilient.

www.spectralogic.com