



# CASE STUDY

U.S. Federal Bureau of Prisons enhances national public safety with secure storage from 113 Spectra tape libraries deployed throughout the U.S.

“ Spectra 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. ”



## About the Federal Bureau of Prisons

The Federal Bureau of Prisons was established in 1930 to provide more progressive and humane care for Federal inmates, to professionalize the prison service, and to ensure consistent and centralized administration of the 11 Federal prisons in operation at the time.

The Bureau now consists of 111 institutions, 28 female facilities, 6 regional offices, a Central Office headquarters, and 2 staff-training centers.

## Fast Facts

- Spectra® T950 tape library with LTO-5 drives and media
- Two Spectra T200 tape libraries with LTO-5 drives and media
- 110 Spectra T50e tape libraries with LTO-5 drives and media
- Spectra BlueScale® Encryption, Standard Edition
- Fibre Channel connectivity
- SyncSort Backup Express

## The Challenge

The agency first became a Spectra customer in 2004 when it purchased AIT libraries for 110 locations across the United States. In 2010 The Federal Bureau of Prisons (BOP) underwent a technology refresh requiring an upgrade to LTO-5 tape drives and media. In addition, encryption was essential to protect sensitive data regarding its inmates.

## The Solution

The Federal Bureau of Prisons (BOP) decided to stay with Spectra based on its positive, long-term experience, the reliability of the libraries, the strong feature set and, most importantly, BlueScale Encryption capability. The agency selected one Spectra T950, two Spectra T200 tape libraries, and 110 Spectra T50e tape libraries with BlueScale Encryption Standard Edition for data protection. This solution allows the BOP to reliably store and securely encrypt almost one petabyte of financial, policy, general IT and prisoner data including sensitive healthcare records that are generated from four of the agency's sites.



# CASE STUDY: U.S. Department of Justice Federal Bureau of Prisons

The agency replaced the 110 Spectra AIT tape libraries originally purchased in 2004 with Spectra T50e libraries to facilitate an upgrade to LTO-5 tape drives and media. The Spectra T950 is located at the primary data center at the Bureau of Prisons headquarters, the Spectra T200's are at two BOP off-site locations, and the 110 Spectra T50e libraries are dispersed among autonomous locations across the United States, including Federal correctional institutions, complexes, medical centers and U.S. penitentiaries.

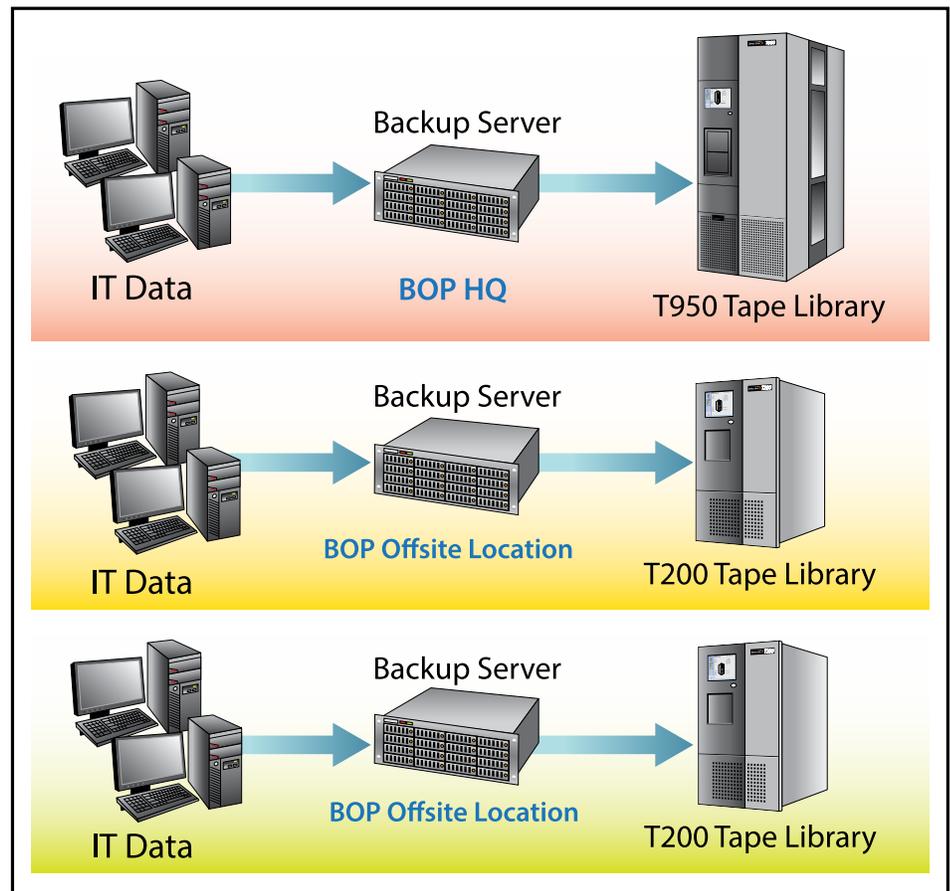
All of the BOP's Spectra tape libraries are configured with LTO-4 and LTO-5 Spectra Certified Media and are managed by Spectra's BlueScale operating system. The uniform configuration lends a commonality among the units and allows individual storage administrators to seamlessly manage backups regardless of product model.

## Why Spectra?

- Positive, long-term customer relationship
- Scalability
- Encryption of sensitive data
- Robust Reliability
- Exceptional support

## Solution Recap

The Spectra® T950 library is designed and built to meet the stringent requirements of the enterprise for data integrity, data security and high reliability. The T950 library reduces staff involvement significantly, affordably scales in throughput and capacity, and supports multiple generations of current and future tape formats. For data archive, backup and recovery, this elite library leads the field in innovation—from the greatest storage density to proactive media management always protecting your data. This library has done it all first.



Designed with your growth in mind, the Spectra T200 library has been developed to preserve your initial investment in storage by providing a solution that can TranScale various components into larger library frames.

By combining field-proven reliability with cutting-edge storage innovation, the Spectra® T50e gives you enterprise capabilities in a compact, 4U rackmount or desktop library. Built upon five generations of Spectra Logic hardware knowledge and 12 generations of BlueScale®

software, the Spectra T50e is simply the most reliable and feature-rich solution available in the small library market today.

Spectra 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.