SPECTRA

Healthcare IT
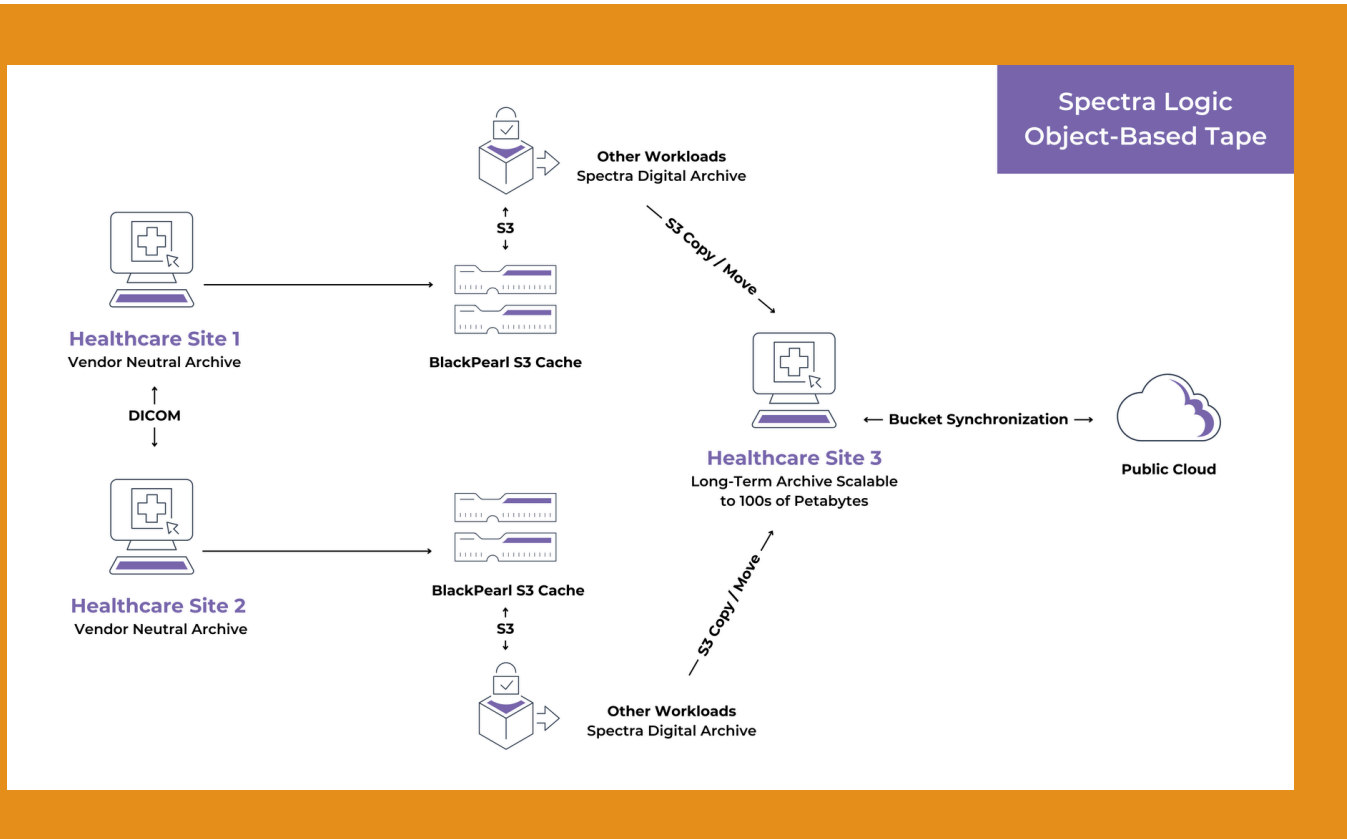# Object-Based Tape

Revolutionizing Data Storage

www.spectralogic.com

Revolutionizing Data Storage for Healthcare IT

In the dynamic world of healthcare, managing and protecting vast amounts of sensitive data is paramount. With the increasing digitalization of medical records and imaging, healthcare IT managers face the daunting task of securing data while ensuring its availability and compliance with stringent regulations. Enter Object-Based Tape solution from Spectra Logic, a game-changing technology explicitly designed to address the unique needs of the healthcare industry.

Offering a blend of cloud storage's object storage benefits, Object-Based Tape by Spectra Logic stands out for its on-premises convenience. It emerges as a less expensive, more energy-efficient alternative to traditional cloud and disk-based systems, tailored for the healthcare industry's expansive data storage needs.

Introduction to
Vendor Neutral Archive (VNA)

What is VNA?

A Vendor Neutral Archive (VNA) is a comprehensive data storage solution that enables healthcare organizations to store medical images in a standardized format. It facilitates easy access to medical records across various proprietary systems, ensuring interoperability and efficiency.

Why VNAs are Essential:

- **Interoperability**: VNAs can seamlessly exchange image information, overcoming the vendor lock-in associated with PACS systems.

- **Data Management:** Consolidate and standardize image data storage, promoting cross-enterprise sharing and access.

- **Adaptability:** Facilitates the integration of new imaging applications and can adapt to non-DICOM formats through XDS standards.

Key Benefits for Healthcare IT Managers:

- **Cost-Effectiveness:** Experience significant savings compared to conventional cloud data storage, without sacrificing accessibility or security.

- **Energy Efficiency:** Enjoy a green storage solution that reduces your organization's carbon footprint and operational costs.

- **Performance and Security:** Object-Based Tape combines high-performing storage capabilities with robust security measures, protecting sensitive patient data against ransomware and other cyber threats.

- **Seamless Integration:** Fully compatible with Amazon S3 Glacier and modern data protection solutions, Object-Based Tape integrates effortlessly into existing workflows, enhancing data management and disaster recovery strategies.

- **Hybrid Cloud Setup:** Offers flexible options for data replication to public clouds, ensuring data availability and accessibility without compromising on-premises control.

Case Study: Transforming Healthcare Data Management

A leading East Coast healthcare system faced significant challenges in implementing a robust disaster recovery strategy while managing a rapidly growing data volume. The legal liabilities associated with cloud storage made public solutions untenable.
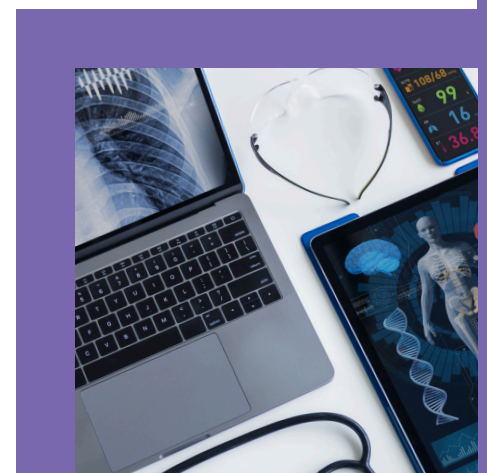
The Spectra Logic Solution:

Deploying Object-Based Tape, powered by Spectra® Vail® Multi-Cloud Object Data Management Software, alongside Spectra Digital Archive, this healthcare system achieved:

- **Multi-site Data Storage**: Successfully stored four petabytes of data across three geographically separated sites, meeting comprehensive disaster recovery goals.

- **Seamless VNA Integration:** Enabled all data restore operations to be initiated from their VNA, providing a global view of data across sites for effective management and quick recovery.

- **Cost-Effective Scaling:** Affordably scaled data storage for disaster recovery purposes, integrating with modern S3-based applications, including their medical imaging VNA solution.

Business Outcome:

This innovative solution not only ensured business continuity and the protection of sensitive patient data but also optimized storage space and reduced reliance on expensive primary storage systems. It stands as a testament to the power and flexibility of the Object-Based Tape solution in meeting the complex demands of the healthcare industry.

Spectra Logic:
Revolutionizing Data Storage for Healthcare IT

Object-Based Tape from Spectra Logic offers an unparalleled solution for healthcare IT managers, providing a secure, cost-effective, and efficient way to manage the vast amounts of data generated by medical imaging and other sources. By leveraging the power of this state-of-the-art technology, healthcare organizations can ensure the safety, accessibility, and compliance of their critical data, paving the way for a more integrated, patient-centered approach to healthcare data management.

To learn more about how Spectra Logic can transform your healthcare data management strategy, reach out to us directly.

SPECTRA®

About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, 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.

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