



# CASE STUDY

## IQVIA enables modern data science advancements by capturing global healthcare data sets with the help of Spectra Digital Archive

“ Unparalleled data management is crucial to our mission of driving healthcare forward. Our goal was to deploy a data management and storage strategy that would enable us to connect data across multiple sites. Spectra’s Digital Archive solution provides the insight into our data that we need to make better storage management decisions, helping us scale our storage capacity on a lower-cost tier and freeing space on our primary storage by moving unused data to an archive infrastructure. ”

Lucus Johnson, IQVIA, Inc. Technology Department



Spectra Digital Archive includes: Spectra StorCycle, BlackPearl Platform and Spectra Stack Tape Libraries



### About IQVIA

Founded in 2016, IQVIA brings together advances in data science, technology, and human science expertise to help the healthcare industry make better decisions, and ultimately to improve patient outcomes. IQVIA is a world leader in using data, technology, advanced analytics, and expertise to help customers drive healthcare forward and enable a more modern and effective healthcare system by creating breakthrough solutions that transform business and patient outcomes.

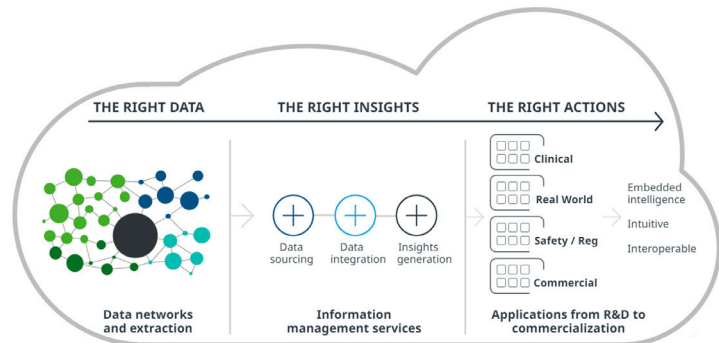
### The Challenge

IQVIA helps customers accelerate results, improve patient outcomes and unleash new opportunities by making possible intelligent connections between data, advanced analytics, and global healthcare expertise. Technology and unparalleled data management are key to IQVIA’s mission of driving healthcare forward.

To manage their expanding data storage requirements and replace an aging archiving environment, IQVIA went looking for a new data management and storage solution that could help them better connect data between multiple locations and make data available as needed. Ideally, IQVIA preferred a new solution that would integrate with their existing storage environment, allowing them to make the most out of their existing infrastructure investment and slowly transition the storage workflow to a new system with minimal disruptions.

### The Solution

IQVIA implemented Spectra Digital Archive, a hardware and software solution for cost-effective digital preservation. Their Spectra Digital Archive includes the following components: two instances of Spectra StorCycle enterprise software for digital preservation, two Spectra BlackPearl Nearline Gateway systems and two



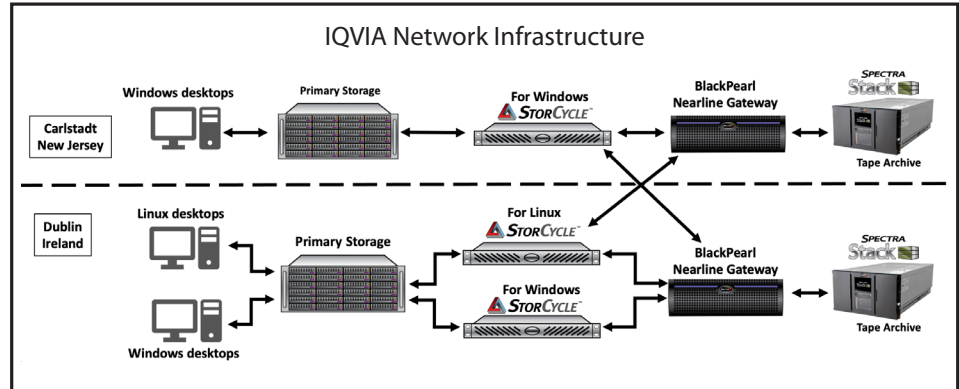
*IQVIA's Human Data Science Cloud is engineered for healthcare to help inform decisions and actions by the right expertise.*

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Spectra Stack Tape Libraries with LTO-8 tape drives and media. Spectra StorCycle scans data residing on primary storage and identifies it based on criteria such as age and size. Once identified for archiving, StorCycle moves data to the BlackPearl Nearline Gateway, which in turn writes data to their Spectra Stack Tape Libraries in an open-standard format.

BlackPearl Nearline Gateway automatically replicates data between their two primary data centers in New Jersey and Dublin, Ireland, which is essential to IQVIA's ability to avoid unexpected disruptions to data workflows in the event of a natural disaster or data center outage, improving data availability and resiliency.

IQVIA's Spectra Digital Archive solution offers the expandability they need to scale their data storage by migrating inactive data to the archive infrastructure, freeing up space on primary storage.



Storage Cost Control



Digital Preservation



Disaster Recovery



Large Data Set Management



Compliance



Data Visibility and Usage

## Environment Snapshot

- Spectra StorCycle® Enterprise Software for Digital Preservation, three instances
- Two Spectra® BlackPearl® Nearline Gateway systems
- Two Spectra® Stack Tape Libraries
- LTO-8 tape drives and media

## Why Spectra?

- Insight into data for improved management
- Scalability and integrity of object storage tape
- Regular engagement with Spectra professional services
- Spectra's reputation for investing in customer success
- DR capabilities via cross replication of archival data between Dublin, Ireland and Carlstadt, NJ

## Solution Recap

**Spectra Digital Archive (SDA)** is a complete hardware and software solution powered by Spectra's StorCycle software to provide digital preservation for data at scale. SDA is designed for cost-effective bulk archive, project archive and automated long-term archive. Components include:

- **Spectra StorCycle** – StorCycle automatically identifies and moves data from primary storage to a lower cost tier that includes cloud, object storage disk, network-attached storage and object storage tape.

- **Spectra BlackPearl** – BlackPearl provides an object-based, hybrid storage platform that easily and cost effectively scales up as object and file volumes grow; adapts as operational requirements change; and enables easy synchronization of data between on-prem and cloud storage.

- **Spectra Stack Tape Library** – Stack is an affordable tape library designed for incremental growth. It is scalable up to 560 tape slots and 42 tape drives when fully expanded.