END TO END

High Performance Storage & Storage Lifecycle Management with **OpenDrives** and **Spectra Logic**

From high-performance primary storage that outperforms to cost-effective perpetual storage that never quits, this complete solution provides the perfect balance of performance and cost, and allows you to keep the right data in the right place at the right time.

Solution description

Many solutions focus on only one aspect of your storage workflow — either high-performance storage throughput, the software that manages the data movement, or the secondary tiers of storage that hold the bulk of your data.

With OpenDrives and Spectra Logic, you have an end-to-end, fully integrated, storage and Storage Lifecycle Management solution. The complete storage solution is an effective combination of OpenDrives and Spectra Logic technology. OpenDrives' high-performance storage is driven by Atlas software to maximize performance, reduce latency, and guarantee data integrity. Spectra Logic's StorCycle identifies inactive data and migrates it to a lower-cost storage tier such as the cloud or Spectra's object disk, NAS, or tape. This solution doesn't stop there. Data is easily accessed from lower-cost storage with StorCycle and moved back to OpenDrives performance storage when a project requires it. All of this along with ease of deployment and integration in a matter of hours, creates a user experience second to none.

Balance the speed of access with the cost of storage to preserve data for as long as needed. This solution truly optimizes your storage lifecycle management strategy.

Key benefits

- **Complete storage solution** – provides storage for all types of data/assets – active and inactive data – processing and sharing of data

- **Modern solution** – Allows organizations to take advantage of the latest technologies, provides cutting-edge products and content, and can adapt as needed

- **Software-based solution** – Puts the focus on high performance, resiliency, and data integrity. Run the solution on various hardware or virtualized platforms

SPECTRA.

open drives

End User Workflows

Storage and IT managers are focused on providing the infrastructure that will allow their data users to perform their jobs to the best of their abilities. They want to give their users the tools to outperform. Under-performing storage, lack of access to certain data, and long recovery are a bottleneck to productivity. This joint solution overcomes all of those challenges.

M&E workflow

- Edit,render, and conform on a high-performance system and store unused raw footage and inactive content on lower-cost storage. Easily access and restore content to production storage when you need it.
- Eliminate performance delays and workflow bottlenecks allowing for more time to iterate and perfect, producing the best final product with the least amount of effort and frustration and with an optimal user experience
- Design a solution that can scale to meet the requirements of any project, and to implement the right tools and technologies to support an end-to-end storage solution.
- Allow for automated tiering of data based on policies or offline entire projects to archive without losing the project structure.

HPC workflow

- Store active projects and current research on high-performance storage and easily copy to or archive on a lower cost tier.
- Easily search and retrieve data when you need to.
- Stage and restore data to make it available to upcoming research projects and analysis.
- Create a long-term storage solution where data can be actively utilized and simultaneously protected and preserved for extended data retention.

General IT workflow

- Keep current data on fast-access, high-performance storage and move to a lower-cost tier after a set amount of time or when a project is complete.
- Give users the ability to access their data via HTML or symbolic links without IT intervention--ease of use is a key consideration with this solution.
- Create a flexible solution where performance and capacity can be designed to fit any budget or performance level.

OpenDrives/Spectra Storage Solution
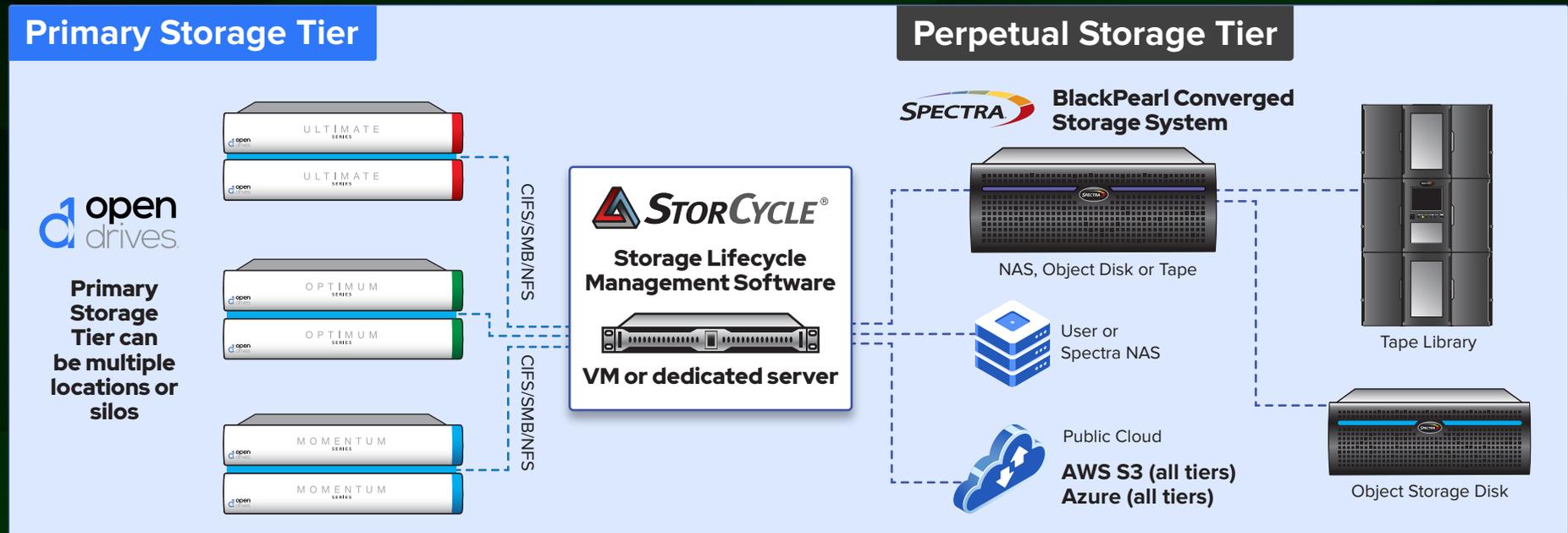
Technical Specs

- Ethernet based – Organizations can use their existing Ethernet-based infrastructure and easily share the data/assets across an organization or across the world
- Built on open standards – Don't get locked in to a single vendor; use other applications designed for the same open standards such as SMB, NFS, S3 and LTFS
- Easy to get up and running—Don't waste time with a complicated, non-standards-based command line solution that takes days to set up and tune. Get up and running right away. Set it and forget it!

- Incredibly fast throughput—our testing shows a seamless integration with scanning at 12,000 files per second and 2.2 gigabytes per second for data migration through StorCycle
- All types of storage supported – NVMe, SSD, HDD, tape, cloud – put your data in the right place at the right time

About Spectra

Spectra Logic develops data storage and data management solutions that solve the problem of digital preservation for organizations dealing with exponential data growth. Dedicated solely to storage innovation for 40 years, Spectra Logic's uncompromising focus is proven by the adoption of its solutions by industry leaders in multiple markets globally. Spectra enables affordable, multi-decade data storage and access by creating new methods of managing information in all forms of storage—including archive, backup, cold storage, private and public cloud.

About OpenDrives

OpenDrives is a global provider of enterprise-grade, hyper-scalable network-attached-storage (NAS) solutions. Founded in 2011 by media and entertainment post-production professionals, OpenDrives is built for the most demanding workflows, from Hollywood to healthcare, and businesses large and small. OpenDrives delivers the highest performing solutions to match individual performance needs, even for the most robust, complex, and mission-critical projects, both on-premise and in the cloud. OpenDrives is headquartered in Los Angeles, CA.