Modern Data Management & Storage Solutions for Media & Entertainment

SPECTRA®

Product Features

- Content lifecycle management & tiering
- Intelligent archiving and preservation
- Multi-site, multi-cloud content management
- Hybrid cloud workflows
- Migration services
- Disaster recovery & business continuity
- Ransomware protection
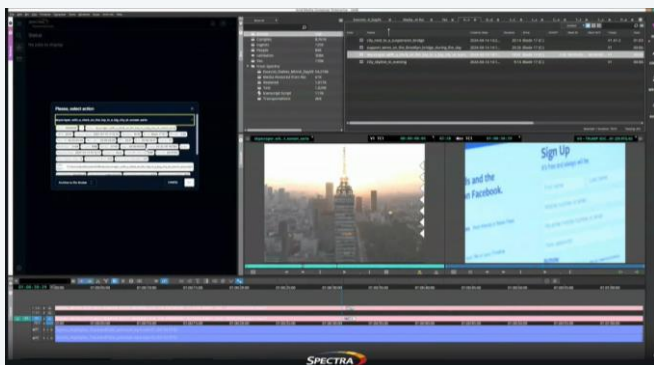- Storage (NAS, Object, Tape and Cloud)

Empowering Media Transformation

The profound effect of market transformation on media and entertainment continues to make waves across the industry.

Over the past decade, our transformation has led to a wide range of software-focused data migration and management solutions and storage options. These adaptable solutions enable companies to automate, optimize, and scale all aspects of their storage and media workflows, from ingestion to distribution, whether it's on-site, in the cloud, or hybrid configurations.

Archiving, Content Management and Data Placement Software

Spectra Logic® offers various software solutions to archive, protect, and manage content. These software platforms can operate as independent applications, or in a tightly integrated environment with popular asset management applications, orchestrations, or automation software facilitating comprehensive end-to-end workflows from ingest to production, and ultimately to distribution. All platforms provide data movement and placement to automate efficient workflows in a single on-premises site, multiple sites, or in a highly sophisticated hybrid cloud environment. These flexible solutions give end-users the freedom to choose the best-of-breed solutions and services that best match their business needs.

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Archiving, Content Management, and Data Placement Software

Intelligent Digital Archiving

StorCycle® software scans, manages, protects and preserves the sprawling data volumes that are NOT managed by an asset management application. Unmanaged assets can be the originals, B-rolls, dailies, graphics, or just social and online media crowding your primary storage.

- Provides tools to make intelligent decisions about what to archive and when

- Enables metadata tagging for quick search and restore

- Eliminates time-consuming task of cleaning production volumes

Data Migration and Media Management

RioBroker® data migration and management software is integrated with all media and entertainment MAM, PAM, and orchestration applications. When coupled with RioWatchfolder, the platform becomes a simple yet rich tool for archiving, tagging, and managing content for most media environments. The combination of RioBroker software and RioWatchfolder greatly automates media processing and media management.
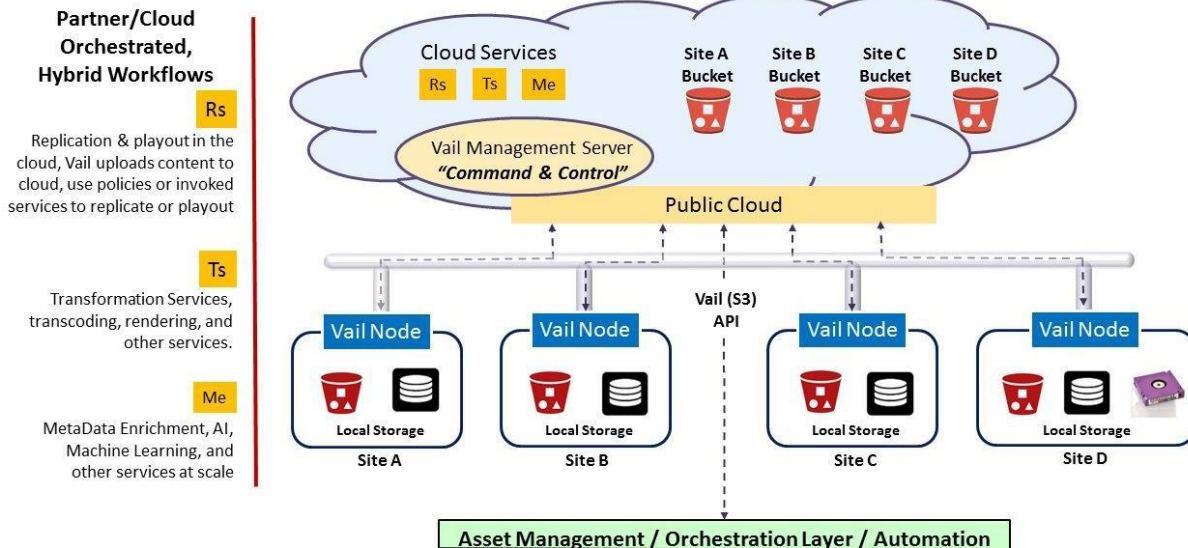
- Flexible watch folder functions to automate media processing

- Metadata tagging and intuitive UI for ease of management

- User-friendly for automated archiving and protection

Multi-Site, Multi-Cloud Content Management

Spectra Vail® software manages data across multiple sites and cloud media. It provides a unified global namespace for all assets so that users can universally access any data from any site, or any cloud. Rich policies automates data placement which facilitates workflows in hybrid or distributed architectures so that organizations can maximize the value of cloud services.

- Unified platform to manage & share content and facilitate collaboration

- Policy-based data placement to automate media workflows at a global enterprise level

- Brings together on-prem and cloud data into a unified management system

Spectra Vail Management Across the Enterprise

Partner/Cloud Orchestrated, Hybrid Workflows

Rs
Replication & playout in the cloud, Vail uploads content to cloud, use policies or invoked services to replicate or playout

Ts
Transformation Services, transcoding, rendering, and other services.

Me
MetaData Enrichment, AI, Machine Learning, and other services at scale

Cloud Services — Rs Ts Me
Site A Bucket — Site B Bucket — Site C Bucket — Site D Bucket

Vail Management Server "Command & Control"

Public Cloud

Vail (S3) API

Vail Node — Local Storage — Site A
Vail Node — Local Storage — Site B
Vail Node — Local Storage — Site C
Vail Node — Local Storage — Site D

Asset Management / Orchestration Layer / Automation

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Flexible Storage Options

Spectra offers media professionals a host of storage solutions to help users throughout all stages of their content lifecycle management as they create, manage, distribute and monetize their content. These storage solutions are deployed as ingest or nearline storage, digital parking lot, shared central repository or disk-based archives. The Spectra core storage offering is BlackPearl, a flexible, scalable architected platform that manages disk, tape, and cloud storage across multiple sites.

NAS Storage

BlackPearl® NAS storage, with a scale-up architecture provides expandable high performance secondary storage. BlackPearl NAS is designed to provide secure, fast concurrent access to content in a variety of use cases such as: archive cache, ingest platform, central shared storage, digital parking lot, or disk-based archive platform.

- Scalable up to 20PB in a single rack
- Shared central repository to local edit stations
- Enhanced protection with mirroring and immutable snapshots

Object Storage

BlackPearl object storage helps organizations strike a balance between production storage, nearline, and long-term storage. BlackPearl object storage offers seamless integration with all applications that utilize S3 or APIs. These storage subsystems offer a local tape-out (object based tape) to help balance access speed vs. cost. Both subsystems offer cloud integrations to facilitate hybrid workflows as well as disaster recovery options.

- Nearline for fast concurrent access to content
- Policy-driven multi-tier archiving
- Cloud connectivity for hybrid workflows
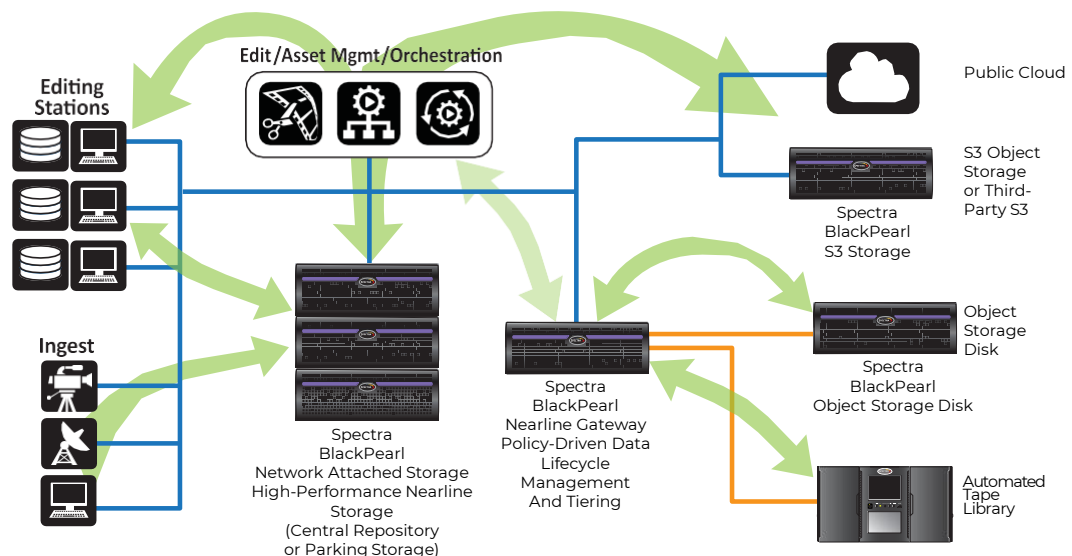
Tape Storage

Spectra tape libraries provide the lowest-cost, long-term storage for data protection, archiving and retention and offline storage to protect against ransomware. Spectra solutions writes content on LTFS tapes in their native format. Your content is always accessible directly to tape when necessary, but also as an ideal means to store offsite, or to deliver and share content with clients.

- Easily scale in capacity and performance from a few hundred to millions of hours of content
- Store a vast amount of content in the smallest storage footprint possible
- Proactively monitors data and tape health to guarantee long-term preservation of assets

Content Lifecycle Management & Tiering

BlackPearl® Nearline Gateway software provides a rich set of policies to manage and preserve content throughout its lifecycle on a mix of storage options. It is integrated with all popular asset management, orchestration, and automation applications to facilitate seamless workflows in broadcast or post-production environments.
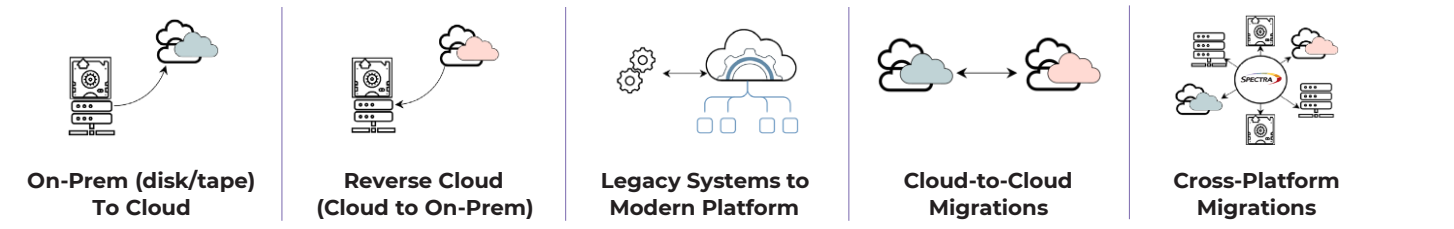
- Data lifecycle management and tiering with retention policies
- Single namespace across object storage disk, cloud and LTFS tape
- Seamless migration to future storage technologies

Edit/Asset Mgmt/Orchestration

Editing Stations

Ingest

Spectra BlackPearl Network Attached Storage High-Performance Nearline Storage (Central Repository or Parking Storage)

Spectra BlackPearl Nearline Gateway Policy-Driven Data Lifecycle Management And Tiering

Public Cloud

S3 Object Storage or Third-Party S3

Spectra BlackPearl S3 Storage

Object Storage Disk

Spectra BlackPearl Object Storage Disk

Automated Tape Library

Migration & Professional Services

There are many reasons that can drive a migration project; strategic initiatives to utilize cloud services, modernizing for greater efficiencies which eliminates legacy systems, consolidating storage across multiple sites into a central shared system, or simply moving to a newer storage subsystem. Whatever the reason, the process can be complex and daunting.
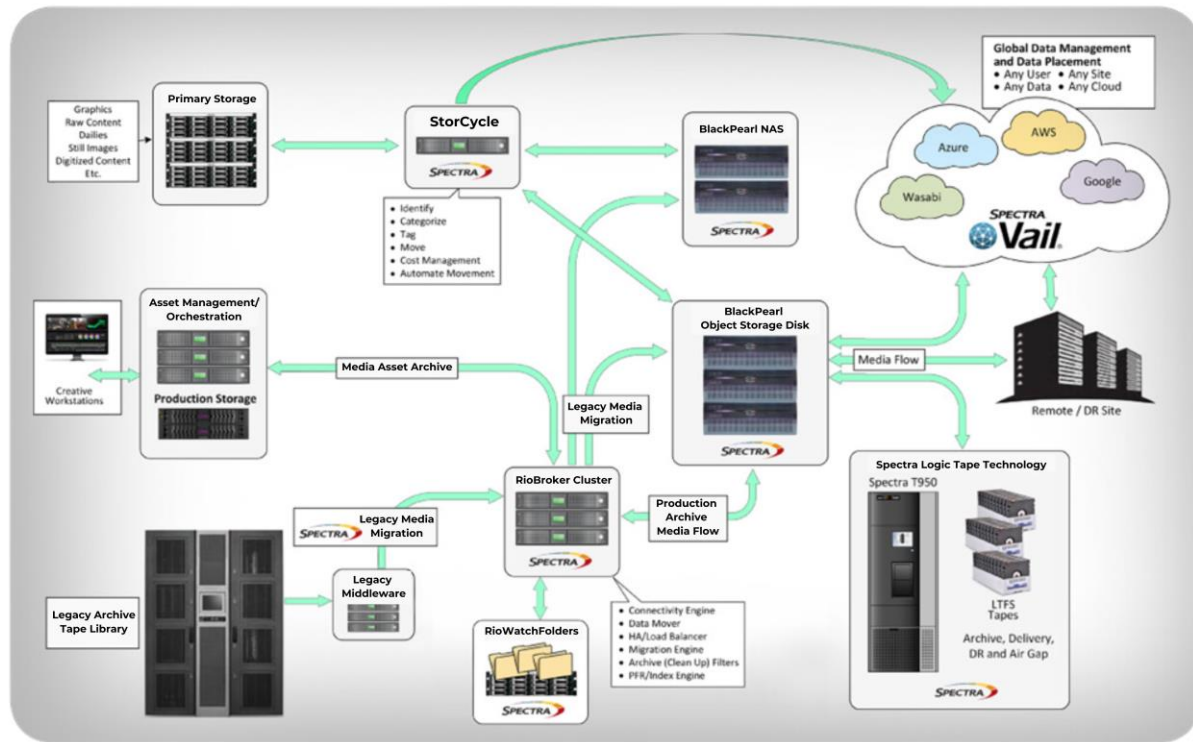
Data Migration Services

On-Prem (disk/tape) To Cloud	Reverse Cloud (Cloud to On-Prem)	Legacy Systems to Modern Platform	Cloud-to-Cloud Migrations	Cross-Platform Migrations

Spectra Migration Solutions Benefits

Cost-Savings	Consistent	Expertise	Continuity	Futureproof
Eliminates the need to maintain costly, obsolete data management and archive products	Accelerates migration and ensures consistency using proven tools and methodologies	Overcomes in-house skills or training gaps by leveraging experienced Spectra professionals	Maintains uninterrupted access to all assets throughout the migration process	Establishes modern object-based archive to preserve, grow and monetize media assets

End-to-End Solution From Spectra Logic

About Spectra Logic Corporation

Dedicated solely to data storage innovation for more than 40 years, Spectra Logic helps organizations modernize their IT infrastructures and protect and preserve their data with a broad portfolio of solutions that enable them to manage, migrate, store and preserve business data long-term, along with features to make them ransomware resilient, whether on-premises, in a single cloud, across multiple clouds, or in all locations at once.

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