

Rio MediaEngine



Media Archive & Management

MediaEngine software is a high-performance media archiver for today's on-premises, cloud and hybrid environments. MediaEngine orchestrates media management and secure access between ecosystem applications and storage systems. As the foundation of the Rio Media Suite, MediaEngine streamlines media archive workflows and ensures robust media protection. With its rich feature set, it provides scalable and modular media archiving that caters to diverse needs and budgets.



Manual (ad hoc) Archiving



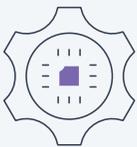
- Simple, intuitive Web UI to browse, select, and archive
- Definable, editable tags, and prefixes before or after archiving
- Extensive, flexible search functions for quick, easy restores

Flexible Archiving



- Fully automated, policy-based multi-tier archiving
- Highly flexible watch folder schemas
- Organize and manage media with flexible, configurable tags, prefixes, and sidecars

Integrated Archiving



- Integrated with popular applications via RESTful APIs
- Supports over 40 leading asset management applications
- Provides a unified namespace across storage mediums, sites, and clouds

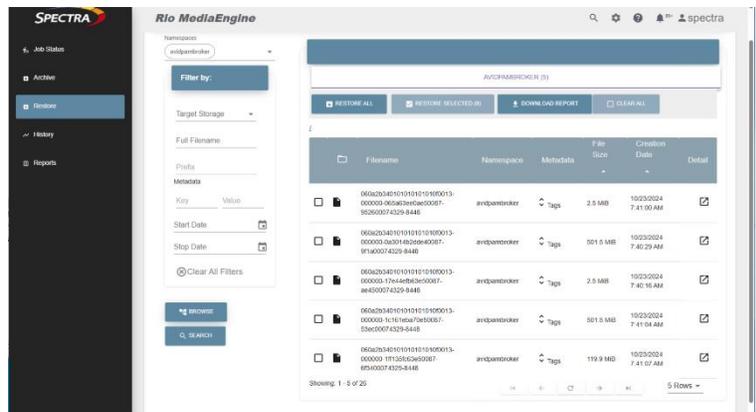
Media Migrations & Repatriations



- Migrate legacy assets without disruption to production ops
- Migrate from legacy middleware to a modern hybrid platform
- Automated, scalable, and customizable to meet your needs

Simple Media Management Features

- Intuitive, user-friendly Web UI
- Extensive, flexible, editable tagging
- Easy browse, search and recovery functions
- Partial file recovery
- Extensive log functions for audits & discovery
- RESTful APIs, Amazon S3-compatible API, and LTFS tape format for longevity
- Archive to on-premises, cloud & hybrid storage
- Comprehensive security through AAA: Authentication, Authorization and Auditing



User-Friendly Web UI

MediaEngine software UI is simple and intuitive. Administrators can deploy and scale MediaEngine to hundreds of users across their environment. End users can perform their daily tasks with ease, without needing assistance from administrators.

Flexible Deployment Options

MediaEngine software offers flexible deployment options. It can run on physical and virtual servers or be deployed as a container*. It supports multiple operating systems, including Windows, Linux, and Mac, making it adaptable to various environments.

Partial File Recovery

MediaEngine software supports Partial File Restore (PFR) as an optional extension of Rio Media Suite. PFR-enabled media files are indexed independently of the application as they move to the archive. Using PFR, a user can quickly retrieve a clip or a sequence of a large media file based on its time codes or byte offset, alleviating the need to restore the entire file.

Security and Access Control

MediaEngine software provides enterprise-grade security built on a AAA framework—Authentication, Authorization, and Auditing. Authentication capabilities include LDAP and Active Directory integration for centralized user management, as well as secure, token-based API authentication. Authorization is achieved through granular role-based access control, allowing administrators to assign specific permissions to users and groups for archiving, restoring, and deleting. Auditing provides comprehensive logging of all user actions and system events with export capabilities to support compliance requirements.

Clustering & Availability

MediaEngine software operates as a single node or a cluster of nodes, scaling performance to meet the demands of any environment. During normal operation, it automatically pools and load-balances media transfers across all nodes. If a node fails, MediaEngine rebalances the load across the remaining nodes to maintain throughput. In the event of a primary node failure, a worker node is automatically promoted to primary status, ensuring resiliency and continuity of operations.

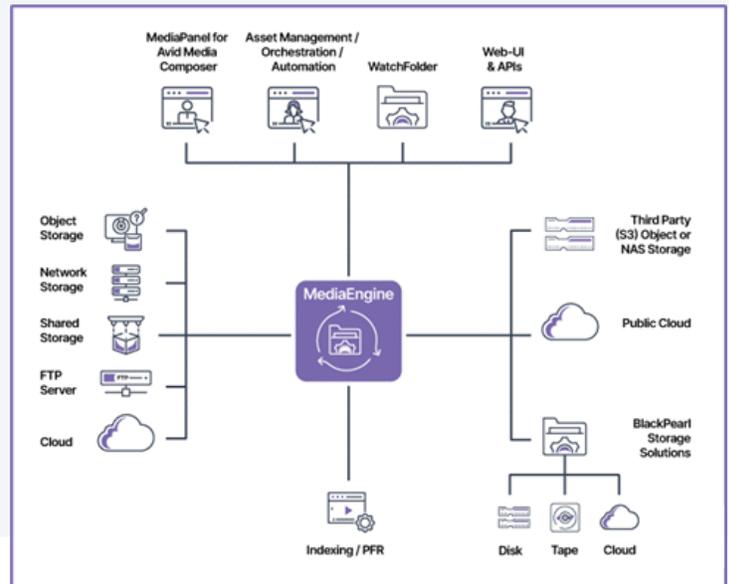
About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, from days to decades, 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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Rio Media Suite



Multiple Data Transfer APIs Supported

MediaEngine software can access, move, copy, and archive files and objects from primary storage or other sources via standard APIs. Supported APIs are CIFS/SMB and NFS for standard and purpose-built storage, an FTP interface for FTP servers, and Amazon S3-compatible APIs for Amazon S3-compliant storage.

Storage Agnostic

MediaEngine software, including the BlackPearl Object Gateway, is optimized for Spectra storage, which provides multi-tier storage with lifecycle management and tiering capabilities. It also works seamlessly with any third-party NAS and Amazon S3-compatible object storage, whether on-premises or cloud-based. MediaEngine bridges the gap between file and object storage to automate archives and storage workflows.

Supports Cloud Storage

MediaEngine software seamlessly supports and manages both cloud and on-premises storage. Spectra offers Amazon S3-compatible storage (S3/IA/Glacier) for those who want the benefits of object-based storage but need faster access to their content at lower costs. On-premises storage, or private cloud, gives customers control over their content, ensures greater protection, and enables them to seed and deploy services on other cloud providers.

* Upcoming MediaEngine software feature.