

# BlackPearl RioBroker: Intelligent Data Mover for BlackPearl

BlackPearl® RioBroker®, Spectra's newly released data mover, a software front-end to the Spectra BlackPearl Converged Storage System with a simplified API that expands BlackPearl's enterprise-class features.

## Clustered\* Scale-Out Access to BlackPearl



- Simpler API
- Clustered and scale-out access to BlackPearl
- Common namespace across multiple BlackPearls
- Common namespace across BlackPearl and legacy systems

## Data Movement



- Offloads data transfer functions from application and BlackPearl
- Creates consistent performance profile, independent of applications
- Enterprise-level performance scaling
- Load balances across cluster nodes

## High Availability\*

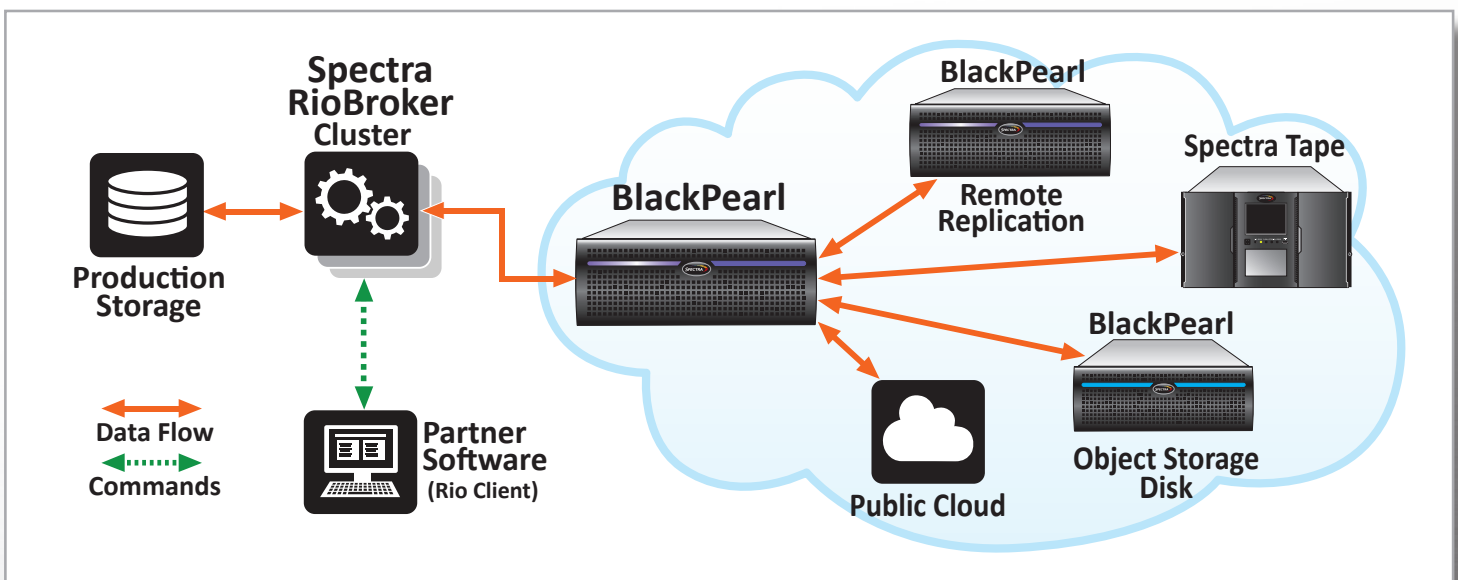


- Seamless failover for cluster nodes
- HotPair BlackPearl failover behind BlackPearl RioBroker
- Sharded and replicated database
- Multi-site failover via replication and DNS swap

## Scale Performance and Capacity



- Add additional BlackPearl RioBrokers for performance\*
- Add additional BlackPearls for scale-out capacity
- Search and retrieve assets across multiple BlackPearls



## Data Movement

BlackPearl RioBroker facilitates data movement between storage product and BlackPearl with maximum efficiency. Maintaining its own job queue and status information, it manages data movement between production storage and the BlackPearl system.

## Clustering\*

With BlackPearl RioBroker clustering capability, should the need for greater performance arise, additional BlackPearl RioBrokers can be added to the system. Data movement functions are spread across cluster nodes, balancing the load and parallelizing data transfer for the highest performance possible.

## High Availability\*

In environments where high availability is required, within a BlackPearl RioBroker cluster a primary node is dedicated, while other nodes are allocated as secondary systems. Should a failure occur on the primary, the secondary BlackPearl RioBroker node will take over, inheriting the primary's configuration, providing for zero downtime. Should secondaries fail, the load will be distributed.

## Partial File Recovery

BlackPearl RioBroker includes Time-Based Partial File Restore (TPFR), independent of the application. BlackPearl RioBroker creates an index of media files that it moves to the archive. Using this TPFR a client application can use both time codes or byte offsets to restore a partial file or sequence of a video.

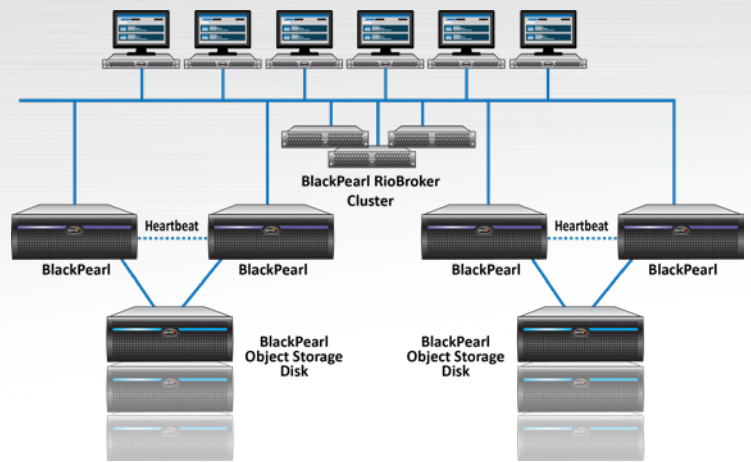
## Multiple Data Transfer APIs Supported

BlackPearl RioBroker supports the ability to retrieve files from production storage using a file system interface (CIFS/SMB, direct attached, NFS, etc.) or an FTP interface. And BlackPearl RioBroker is designed to easily be able to add and support additional interfaces in the future.

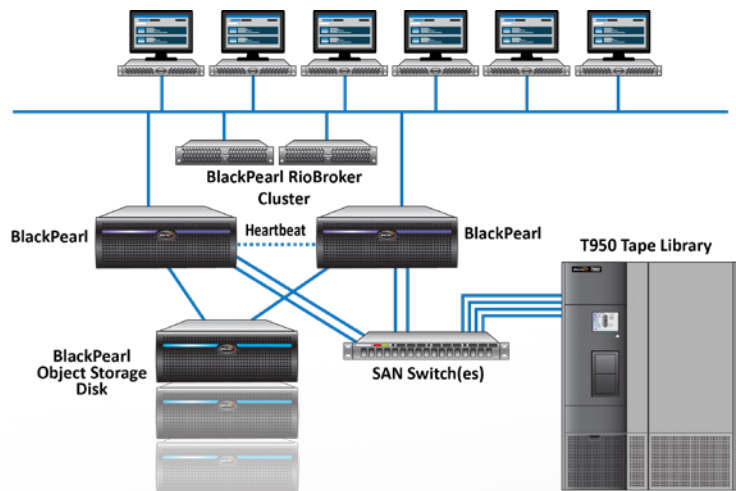
## Migration Enablement

With Spectra Migration Services and BlackPearl RioBroker, organizations can automate migration from legacy storage systems to the modern BlackPearl platform. Migration is seamless, non-disruptive to production and takes place in the background. BlackPearl RioBroker facilitates the retrieval of assets during migration via a common namespace, whether on the legacy system or on BlackPearl.

### BlackPearl RioBroker® Clustering\*



### BlackPearl High-Availability Configuration\*



*\*Available in future release of Spectra RioBroker.*

## About Spectra Logic Corporation

Spectra Logic develops data storage and data management solutions that solve the problem of long-term digital preservation for organizations dealing with exponential data growth. Dedicated solely to storage innovation for more than 40 years, Spectra Logic's uncompromising product and customer focus is proven by the adoption of its solutions by leaders in multiple industries 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 cloud and public cloud.