BlackPearl Nearline Gateway
Custom Integration Through Certified Applications

Simply and Affordably Preserve Data

Spectra BlackPearl® Nearline Gateway solves the problem of costly and complex approaches to digital preservation. With support for a variety of storage targets, BlackPearl Nearline Gateway provides a simple and affordable solution and is designed for numerous concurrent workflows. By integrating Spectra DS3 with a range of certified clients and simple file movers, BlackPearl Nearline Gateway reduces the need for expensive third-party data movers.

Support for Multiple Storage Targets and Concurrent Workflows
- BlackPearl Object Storage Disk can be implemented for instant access to all data
- Public cloud storage can be configured as a storage target, for long-term retention and disaster recovery
- Advanced policy management defines the storage target retention and number of copies
- The RESTful interface automates the movement of large data sets to and from disk and tape storage

Multiple Integration Methods
- BlackPearl RioBroker software acts as a data mover to speed file transfers, streamline workflows and scale out performance and capacity
- Spectra DS3 enables third-party data management applications to seamlessly move data to and from disk and tape storage
- API and SDK available for easy purpose-built integrations and to create the desired workflow for every organization

Secure Ransomware Resiliency
- Secure on-premises storage that protects data from internal and external threats, tape provides offline air-gap copies of data
- Multi-tenancy ensures data is isolated with restricted visibility
- Encryption at rest and in-flight eliminates unintended data exposure

Example of Nearline Gateway Applications

The Spectra Logic BlackPearl Nearline Gateway provides an easy, cloud-like interface to on-premises storage solutions, including Spectra tape and disk libraries, and multiple public cloud integrations.The cloud interface is called Spectra DS3, and a software client transfers data to the BlackPearl Nearline Gateway. Many BlackPearl Nearline Gateway clients already exist, with full integration into data management software.

Customers can create their own clients or modify existing clients to custom fit their workflows and environments.

BlackPearl's Nearline Gateway storage solution for disk, tape and cloud

Spectra's BlackPearl Nearline Gateway interface modernizes the use of tape

The first RESTful interface to tape, Spectra Nearline Gateway provides BlackPearl and client interaction via REST, allowing you to move large data sets easily to and from automated tape storage. The user only moves data through the client while BlackPearl handles all interaction with storage targets, including automated tape libraries. There are many Spectra BlackPearl Nearline Gateway clients that have been built by Spectra, its partners and its customers. Customers can also build their own Spectra DS3 integrations for custom workflows with the free Spectra Logic Developer Program.

BlackPearl RioBroker®

BlackPearl RioBroker is a software front-end to BlackPearl that acts as a data mover to speed file transfers, streamline workflows and scale out in both performance and capacity to accommodate growing amounts of digital assets. As a software front-end to BlackPearl, BlackPearl RioBroker offloads the data transfer job from the application to the BlackPearl RioBroker system, bringing greater performance and consistency to the entire platform. BlackPearl RioBroker simplifies the integration process to popular asset management software applications. It also facilitates seamless content migration from legacy storage software to a modern solution.

Use Case of BlackPearl as a Nearline Gateway

The Goal:
This organization was looking to expand their research area of expertise into other areas of research but doesn't have the infrastructure to support the vast amount of data they will collect.
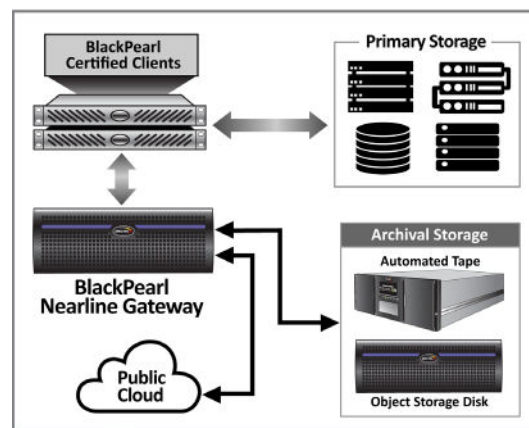
The Challenge:
This research institute applied for a National Institute of Health (NIH) grant for research that required a large data archive system with a long retention period. They were hoping to collaborate with fellow scientists and archive data for long-term retention with data reaching into the hundreds of petabytes.

The Solution:
This archival solution of BlackPearl Nearline Gateway and a T950 automated tape library offered unbeatable density, reliability and scalability to help the institute store mass quantities of data to support the NIH project. The BlackPearl was connected in their data center to an existing application designed by Globus.

Globus, a Spectra Logic technology partner, offers software solutions specifically designed for the education industry, making the sharing of research data easier. The Globus client software allows the faculty to easily move data files between computers, servers and its supercomputing facility, using a simple browser. This prevents groundbreaking research efforts from being stalled when IT technical issues arise. BlackPearl platform enables the university to archive and share petabytes of information in a convenient solution.

About Spectra Logic Corporation

Spectra Logic develops a full range of data management and data storage solutions for a multi-cloud world. 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. To learn more, visit www.spectralogic.com.

V1-020623

Toll Free: 800-833-1132 • 303-449-6400 • 6285 Lookout Road • Boulder, CO 80301 USA

SPECTRALOGIC.COM