



# BlackPearl and Globus Deliver Affordable Hybrid Storage for Research Institutions

## Globus for Research Data Management

Globus delivers advanced data management capabilities to your campus researchers, no matter where their data lives. Globus enables researchers to transfer, share, and publish data from online, nearline, and offline storage using a consistent, easy-to-use web interface.

Allow researchers to focus on their research, by providing tools built for solving the problems of data-intensive research.

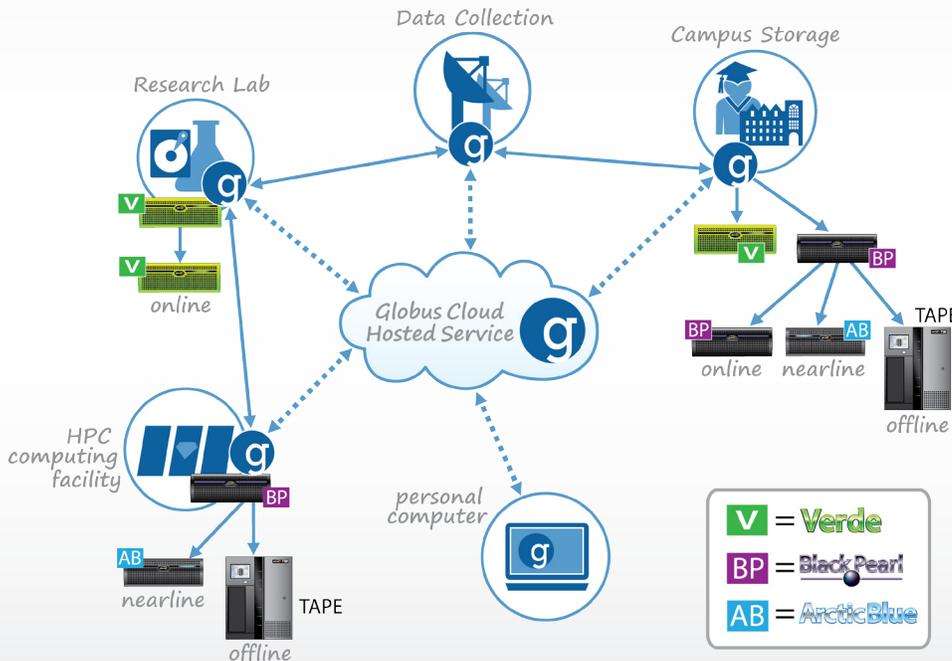
- Rapidly deploy Globus endpoints on practically any system, including support for a massive (or small) tape or nearline disk system endpoint with BlackPearl.
- Optimize your storage infrastructure using automated policies that align with data management needs throughout the research lifecycle.
- Gain visibility into storage utilization using a real-time monitoring console and comprehensive usage reporting.

## Spectra® BlackPearl® Converged Storage System

Designed to meet the demands of today's modern active archives, Spectra BlackPearl enables users to archive assets on affordable, scalable storage targets. BlackPearl writes data to tiers of storage including tape using open standard LTF5, nearline disk and online disk while assuring data integrity and availability. Desired research data is directly recalled through intelligent object storage.

Streamlined approach to workflow by utilizing cloud architecture, object storage.

- Easy to deploy a full solution with a plug and play model
- Seamless scalability at a flat to decreasing cost
- Perfect fit for file and media exchange
- Platform where content will outlive its storage medium



## Globus and ArcticBlue

ArcticBlue offers nearline disk storage that fits into Globus and BlackPearl's hybrid cloud storage ecosystem. ArcticBlue delivers fast access to content on a disk system with twice the life of traditional disk archives.

## Spectra BlackPearl and Globus provide end-to-end file sharing.

Whether the community is a single-site campus doing simple, secure file transfer or a global community with unlimited access where control and permissions are set through the Globus portal, Globus gives organizations the ability to make BlackPearl private cloud storage...not so private.

## Why Globus?

Globus is the de facto standard service for research data management at hundreds of non-profit research and educational institutions, supercomputing centers, and national facilities. Using Globus Connect Server, the service can be easily integrated with campus security infrastructure to make cost-effective storage immediately available.

- Easily implement institutional data access policies using Globus Group management and access control functions
- Embed file transfer sharing functionality into campus portals for a familiar user experience
- Available for all major Linux distributions and filesystems

## Why Spectra?

To meet the demands of extreme data growth and long-term retention, Spectra BlackPearl™ with ArcticBlue™ and tape libraries enable organizations fast access to data stored in a hybrid storage ecosystem with disk and tape. Organizations have the ability to easily scale their storage to meet their needs.

- Reliable, secure, "fire-and-forget" transfer of massive data sets, optimized for tape
- ArcticBlue has more than twice the life of traditional disk systems with a 7-year life
- Hybrid storage ecosystem that can store data at pennies per GB