



## ULTRAIO™ STORAGE FOR ACTIVE ARCHIVE

The Active Archive concept is gaining momentum as AI, ML, and Big Data analytics are more aggressively mining archival data, thus creating “active archives” and the need to bring higher performance to archival data.

Nyriad® is enabling a new generation of storage solutions that empower businesses to grow, adapt, and stay competitive in a data-driven world. We are simplifying and optimizing how data is stored in a less expensive storage tier, accessed for data analytics, and managed.

### PERFORMANCE - RESILIENCE - EFFICIENCY

# REIMAGINE YOUR STORAGE REDEFINE YOUR POTENTIAL

### WITH COMBINED GPU + CPU STORAGE ARCHITECTURE

#### ROBUST DATA PROTECTION

Many organizations must ensure they are in compliance with regulatory requirements for long term storage and archival data. In many cases, archival data is the only copy of data and is not protected. The UltraIO™ storage system is built around a wide stripe erasure code design, implemented at a block-level, providing a high level of protection from drive failures without enduring lengthy RAID rebuilds and RAID overhead. The UltraIO™ system protects data effectively without having to create a 1:1 copy of the entire data volume, allowing more available storage for applications. In addition to erasure coding, high speed checksum is incorporated for additional protection.

#### FAST DATA RETRIEVAL

The UltraIO™ storage system currently enables sustained read and write performance up to 20 GB/s. The architecture provides high speed data access and ingestion thereby accelerating the process of transferring large quantities of data. This gives customers the ability to move more data while analyzing it sooner, thus minimizing costs.

#### SPEND LESS & STORE MORE

With the UltraIO™ storage system, you can achieve up to 92% overall efficiency thereby storing more for less. Its unique architecture enables intelligent data placement in a highly resilient, erasure-coded block environment thus allowing more storage device performance. This intelligent data placement can enable customers to optimize usage of the highest capacity media thereby resulting in a significantly lower Total Cost of Ownership (TCO).

#### CONCLUSION

Nyriad's UltraIO™ storage system is advancing the Active Archive industry by bringing the advantages of resilient erasure coding to block storage on a large scale. The UltraIO™ system provides a balanced combination of performance, resilience, and efficiency. Driven by an innovative combined GPU + CPU high performance architecture, the high availability solution enables customers to take advantage of the most cost-efficient, large capacity HDDs while removing the need for an expensive SSD cache. The result is a lower Total Cost of Ownership (TCO) with no loss of performance density - key components of your data lifecycle management strategy.