

## Ultimate Performance and Scale

RAID's Xanadu X solution, optimized for Lustre, increases high performance storage capacity for the most mission-critical applications across industries. RAID Inc. unleashes the performance and scalability of the Lustre parallel file system for HPC workloads, including technical 'big data' applications.

Our high-performance file-system solutions help you manage your data at scale with the distinctive ability to perform IO with faster speeds while being reliable along with options like archiving and analytics in place.

The Xanadu X is designed to simplify and deliver high performance computing storage at an optimized price/performance ratio. With companies and organizations increasing their IT infrastructure to accommodate big data and analytics at record magnitudes, it is imperative that their storage systems are appropriately sized.

## Accelerate Time to Results

Because of its proficiency, the system drastically reduces the time spent on a task, thus resulting in reduced operating costs. The Xanadu X will allow your business to get more done in a workday than ever before, allowing you to maximize your company's potential, growth, and earnings.

## Modular Configurations

The Xanadu X is a 4U modular hybrid Big Data appliance that delivers 24 GB/s of raw bandwidth. Redundancy to applications and data is achieved through high performance dual controllers. At entry level, you have the ability to add 90 drives in the modular base enclosure. Fully configured, you can add up to four additional enclosures.



## Common Use Cases

The flexibility and capabilities of the Xanadu X lends itself to a wide variety of applications:

- Artificial Intelligence
- Academic Research
- Life Sciences
- TV & Live Streaming
- Defense & Intelligence
- Financial Services
- Federal Government
- Energy
- Geospatial
- National Labs

## Benefits

- Embedded/Converged: Lower TCO with converged storage and network and improve latency with converged file system.
- Installation/Configuration Tools: Simplify the move to Lustre with data migration, installation, and configuration tools.
- Enterprise Features: High availability, security, strong authentication, multi-tenancy, quotas.
- Directory Level Quotas: Flexibility in project level quotas.
- Data on Metadata: Improved small file performance.
- Spindle to File Management: Insight configuration and monitoring solution simplifies admin of the entire appliance from drives to file system.
- Single Name Space: Single application and end user view of data regardless of whether it resides on flash, or HDD – in file or object storage, local or remote.
- Improved Client Performance: Improved client performance for both small and large I/O.
- Lustre Monitoring: Fine-grained file system monitoring with Lustre Jobstat.

## Technical Specifications

<b>Protocols</b>	Linux and Windows Parallel FS Clients
<b>Lustre</b>	Based on Lustre 2.11
<b>Performance</b>	Up to 90GB/s
<b>Metadata</b>	Supports embedded metadata servers on Xanadu X or external scale-out metadata server using Lustre DNE
<b>Host Connectivity</b>	EDR InfiniBand, 40/100GbE, and Omnipath (number of connections varies by appliance)
<b>Data and System Management</b>	Quotas (users and groups); Optional monitoring solution; Optional automatic data migration from any file system to any storage device; Optional policy-based tiered storage and data migration with mirroring, replication, encryption
<b>Custom Configurations</b>	Custom configurations are available with external OSSs

