

PanFS® on ActiveStor® Ultra

The Fastest Parallel File System at Any Price Point

Top Five Reasons to Pick PanFS on ActiveStor Ultra

1. Twice as fast as Lustre, BeeGFS and GPFS

ActiveStor Ultra HPC storage with the PanFS parallel file system is 2X faster than Lustre, BeeGFS and GPFS, without their notorious complexity and brittleness. Performance and capacity scale linearly without limitation, and performance adapts to dynamically changing workloads and is consistently fast, regardless of workload complexity.

2. Easiest management, best reliability and uptime at the lowest TCO

PanFS on ActiveStor combines the industry's leading price-performance with easy manageability at the lowest total cost of ownership of any HPC storage solution. Fully automated online failure recovery protects your data assets. Network-distributed erasure coding and fully parallel rebuilds recover nodes quickly. Background data scrubbing ensures data integrity throughout the lifecycle.

3. Dynamic Data Acceleration Technology

This proprietary software feature on the PanFS parallel file system delivers predictable high performance by automatically adapting to the changing and evolving small file and mixed workloads. In this seamless, total-performance system, NVMe SSDs store metadata, low-latency SSDs store small files, and large files are stored on low-cost, high-bandwidth HDDs. By dynamically managing the movement of files between SSD and HDD, and maximizing the full potential of NVMe, PanFS delivers the highest possible performance at the lowest cost for HPC and AI workflows.

4. Enterprise quality support

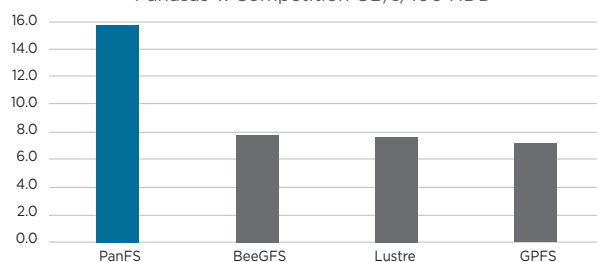
Panasas delivers high-quality support and rapid, single-vendor problem resolution. Our expert professionals are ready to focus on your issues the moment you need help.

5. With Panasas, you can have it all

HPC organizations no longer need to trade off performance and price-performance for simplicity, uptime, and great support. With PanFS on ActiveStor Ultra, HPC organizations can have it all.

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Panasas v. Competition GB/s/100 HDD



Comparative Read Performance of PanFS v. Competitive Parallel File System in GB/s

This means that for any given capacity, Panasas is 2X faster than Lustre, GPFS and BeeGFS



HPC Organizations No Longer Need to Trade Off Performance for Simplicity and Uptime

	Panasas ActiveStor Ultra w/ PanFS 8	IBM Spectrum Scale	Lustre (DDN EXAScaler)	BeeGFS (COTS HW)	NetApp Isilon
High Performance	✓	✓	✓	✓	✗
Competitive Acquisition Cost	✓	✓	✓	✓	✗
Reliability	✓	✓	✗	✗	✓
Easy Management	✓	✗	✗	✗	✓
Timely, Quality Support	✓	✗	✗	✗	✓
Frustration Free	✓	✗	✗	✗	✓