

MAKING THE CASE FOR PANASAS®

Quality. It is where **quality** and **customer expectations meet.**



Trust. It is what you need and deserve when selecting an HPC storage partner. It cannot be assumed and must be earned. And it can only be earned when your expectations are met or exceeded – on time, every time.

This is the realm of Panasas.

The quality of our HPC storage systems and the commitment of our team to continually earn your trust are second to none.

“Panasas technology supports our mission because it never limits our exploration.”

– Dr. Yoshiki Vazquez-Baeza, Associate Director of Bioinformatics Integration, Center for Microbiome Innovation, University of California San Diego

Whether you are dealing with computational or operational complexity, **our systems deliver ultra-high performance and availability, enabling you to focus on the task at hand instead of the underlying storage environment.**

*“We support our national and international communities in their analyses of climate data from Panasas HPC facilities all around the world. We support atmospheric, aircraft, and field stations globally and support thousands of users worldwide in the laboratory. This Panasas HPC solution has enabled us to **drastically cut our TCO** as well as the number of people needed to move data from file to file. Today, we can have our **world-class data scientists focusing on and working with the data.**”*

– Dr. Bryan Lawrence, Professor of Weather and Climate Computing at the University of Reading and Director of Models and Data at the National Centre for Atmospheric Science (NCAS), Rutherford Appleton Laboratory (RAL)

Your mandate is clear: Fast, affordable, frustration-free storage

From modeling weather and climate change to identifying threats and anticipating economic fluctuations, government agencies are managing **really big data sets** to address extremely complex problems. And their HPC storage requirements are growing exponentially as a result.

Yet many agencies are still using legacy systems to confront these modern data challenges, and legacy systems have limitations and “hidden costs” that impact the productivity, efficiency, and speed of operations. In fact, a recent study revealed nearly 80% of companies experience multiple storage-related issues every year. More than 40% of companies surveyed said these issues occur at least monthly. And 40% said it takes them more than two days to recover from an incident.

A single day of downtime can cost anywhere from \$100,000 to more than one million.

Government agencies that use Panasas HPC storage can deftly support their highest performance computing projects without fear of downtime. With the fastest, most efficient parallel file system, Panasas PanFS on ActiveStor Ultra easily handles complex data requirements, giving you the highest level of **trust**.



A new way of thinking about QUALITY. Only from Panasas.

-  **Turnkey Simplicity:** Panasas delivers a turnkey appliance that goes from dock-to-data in one day. Experience set-and-forget storage management with a system that does not require tuning to maintain peak performance.
-  **High Performance:** Data access and performance are consistently fast, regardless of workload complexity. Performance and capacity scale linearly without limitation.
-  **Unparalleled Reliability:** Fully automated online failure recovery protects your data assets. Network-distributed erasure coding and entirely parallel rebuilds recover nodes quickly. Background data scrubbing ensures data integrity.
-  **Extreme Flexibility:** Panasas storage flexibly adapts to dynamic workloads and demands. The portable PanFS file system enables quick adoption of new hardware platforms.
-  **Lowest Total Cost of Ownership:** Panasas combines the industry's leading price/performance ratio with easy manageability.
-  **High-Quality Support and SLAs:** Panasas delivers timely, high-quality support and rapid, single-vendor problem resolution. Our storage experts are ready to focus on your issues the moment you need support.

Everything you need to future-proof your HPC storage.

Government agencies and contractors that **TRUST** Panasas:

- *United States Air Force*
- *United States Federal Reserve System*
- *NASA*
- *United States Navy*
- *Pratt and Whitney*

Maximum results. Minimal effort.

Government agencies want and need their data to be accessible, secure, and easy to manage. Panasas optimizes IT investments, delivering maximum impact with minimal risk.

“With Panasas ActiveStor, researchers save time since they no longer have to move or copy data files before they process them. They gain productivity since there are no more HPC bottlenecks hindering access to the storage system. Bandwidth is five times higher than before. And file-sharing is more convenient, thanks to shorter response times and higher throughput.”

– Gregory Saint-Luce, IT Manager at the Materials Research Center and Member of the Mines Paristech IT board

Data from a recent Hyperion survey revealed many organizations have a misalignment between their operational challenges and purchase priorities, and they often underestimate system downtime and associated costs. Organizations using HPC storage solutions other than Panasas are experiencing nearly 10 failures a year with an average downtime cost of \$127K per day.

Use our TCO calculator to better understand how much your organization can save with unwavering uptime, and how much you stand to lose with sporadic downtime: www.Panasas.com/tco-calculator





Enterprise-class solutions. Backed by enterprise-class support.

Panasas solutions have a reputation for ultra-high reliability and availability. We also offer the highest levels of support, with professional services and training that will help you maximize your investment and stay within budget.

“We turned on Panasas and the bottlenecks went away. You just set it and forget it.”

– Steven Feldman, Senior Vice President for IT, Siemens

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Training Course: Panasas provides in-depth training to drive high levels of technical proficiency with Panasas ActiveStor parallel storage systems.
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Professional Services: Gain the expertise you need with a limited-term professional engagement to address specific technical requirements.
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Support Plans: Resolve issues quickly to meet availability requirements and get the most value from your Panasas storage system.

“Panasas lives up to its promise of terrific performance.”

– Dr. Warren Kaplan, Chief of Informatics, Garvan Institute of Medical Research

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