

SOLUTION BRIEF

The Data Foundation Government Agencies Can Trust

When speed to decision is crucial and falling behind on the technology curve is not an option, government organizations cannot afford subpar data management and storage systems in their data centers.

The high-performance computing (HPC), artificial intelligence, and machine learning (AI/ML) workflows deployed across federal agencies demand a modern HPC storage platform that can easily adapt to diverse application types and dynamically changing workload patterns. Agencies need solutions that provide frustration-free management, 24/7/365 data availability, and a wide performance profile – all at a reasonable price point.

At Panasas, we've designed the data foundation that delivers on all fronts. For over 24 years, we have partnered with world-leading organizations across the United States and allied countries to power their most demanding workloads.



Federal Data Solutions, Evolved

Panasas enables government organizations to optimize their modern HPC ecosystem by excelling in five key areas.

1. A truly simple storage experience.

Consolidate diverse workloads on a single solution with easy, centralized storage management and a minimal learning curve. A single storage admin with no specialty HPC knowledge can easily oversee a Panasas environment at any scale.

2. Infinitely scalable performance and capacity.

Accelerate your HPC, high-performance data analytics (HPDA), and AI/ML workflows with a balanced parallel architecture that delivers infinitely scalable performance and capacity. Achieve the low-latency, high-throughput performance that all your applications demand – no manual tuning required.

3. The gold standard in reliability.

Rest easy with enhanced data protection and boost productivity with maximum system availability. While other storage systems experience an average of 9.8 failures per year, Panasas customers report going over eight years with zero unplanned downtime.

4. Intelligent data management.

Unlock insights and mobility at scale for smarter decision-making. Panasas data discovery and movement solutions enable federal agencies to search and analyze their files so they can mobilize them exactly where and when they are needed.

5. Best-in-class TCO.

Cut your storage costs with low-touch administration and automated maintenance. Frustration-free deployment, operation, and management create a storage solution with the lowest total cost of ownership in its class. Visit our [free online TCO calculator](#) to see exactly how much you'll save.

Federal Use Cases

Panasas partners with government leaders to transform their data into powerful outcomes. We have proven experience in the following mission-critical use cases.

Climate Modeling Data-intensive climate models allow agencies to predict environmental impacts ranging from rises in sea levels to drought risks. Panasas enables researchers to expand their

modeling efforts by delivering seamless linear scalability in a fully integrated and easy-to-use solution.

Defense and Intelligence Defense and intelligence organizations must be able to quickly process huge volumes of unstructured data to analyze and respond to national security situations in real-time. Panasas storage gives them the speed, agility, and reliability they need to keep operations running smoothly.

Life Sciences and Healthcare As data sizes continue to grow and AI/ML initiatives expand at life sciences and healthcare organizations, Panasas provides a storage foundation that optimizes molecular imaging, next-generation sequencing (NGS), and bioinformatics workflows across government agencies.

Advanced Research Panasas solutions drive advancements in computational fluid dynamics, materials science, particle physics, and space exploration research at national labs across the globe.

Panasas Data Storage and Management Solutions

We've designed a portfolio of data storage and management solutions designed to solve the federal sector's most pressing challenges. All Panasas ActiveStor® systems are powered by our pioneering parallel file system, the PanFS® data engine.

The PanFS software suite	The ActiveStor product portfolio
The PanFS® parallel file system	ActiveStor® Flash
Panasas PanView™ solutions	ActiveStor® Ultra
Panasas PanMove™ solutions	ActiveStor® Ultra XL

Ready to speak with a Panasas federal data solutions specialist?

[Get a free consultation](#)

¹Hyperion Research cited in Panasas, "Frequent Storage System Failures and Lost Productivity are the Norm in HPC," May 2020.