Deploy Panasas® ActiveStor® as your high-speed, scalable Disk Backup target

and enjoy 'pay-as-you-grow' storage economics

PANASAS IS DATA PROTECTION SOFTWARE'S EASIEST TO MANAGE AND LOWEST TCO STORAGE PARTNER FOR ENTERPRISE ENVIRONMENTS

Economically solve your Data Protection and Preservation Challenge

Burgeoning unstructured data growth, over-stretched IT resources and proscriptive backup windows impact both production systems availability and employee efficiency across all market sectors. Organizations have ongoing requirements for critical data backup, disaster recovery compliance and reliable archiving strategies to preserve vital data assets. And in the event of system failures or disasters a mechanism to provide reliable, fast data recovery is essential.

Traditional methods such as simple tape backups are prone to mechanical errors and restore reliability issues while most contemporary backups to disk typically suffer from scaling challenges as data backup volumes proliferate. This results in storage management overhead, sub-optimal ease-of-use and increased operating costs— significantly over and above what appears to be an attractive initial purchase price per TB for a backup storage target.

Help is at hand. In collaboration with marquee data protection software solution vendors, Panasas ActiveStor affords you a scalable, reliable, economic and easy-to-use disk backup realm.

From the inventors of the RAID6+ data protection paradigm, Panasas ActiveStor systems are designed to enable you to benefit from true scalability and reliability afforded by our fifth-generation hybrid scale-out NAS— powered by next-generation PanFS® software. Systems that are easy to deploy and simple to manage. Unlike all other backup storage vendors, there are no hidden extras through complex software licensing or premature service renewal gouging—both prevalent elsewhere in the industry. With Panasas you'll enjoy the professional respect and transparency you deserve and expect.

PANASAS ESSENTIALS

‣ Easy 15 minute set-up

‣ Simple to manage—'set and forget'

‣ Single Namespace system grows from 66TB to over 20PB

‣ Enterprise level reliability with RAID6+ and HGST drives

‣ Pay-as-you-grow economics

‣ Best 5 year TCO in the industry

Scalability: Start with a single 66TB shelf and enjoy pay-as-you-grow economics up to over 200 shelves or 20+PB. Featuring linear growth in both capacity and performance, you can grow as a single namespace to simplify data management or partition volumes to suit your backup schema. We're simple and fast to deploy.

Reliability: Data loss is unacceptable. Our Object RAID design means as your Panasas Backup NAS grows in size it becomes increasingly reliable, unlike any other alternative on the market. We've cracked

the code on balancing both horizontal and vertical parity striping across disks to secure your critical data in the face of multiple potential system component failures. Indeed our hardware design allows for no single point of failure too. As a consequence, over 600 satisfied Panasas customers take these capabilities for granted and sleep well at night. They delight in telling us so via our customer satisfaction ratings.

Ease-of-use: Our modular design and ease of expansion ensures you can enjoy uninterrupted operations as your backup data grows. Seamless integration into your existing architecture is a given. And our simple, intuitive yet rich GUI provides unprecedented insights into system parameters which means your system administrator spends a fraction of their week managing Panasas storage—from you first shelf to your hundredth, and beyond. More time for value-added IT services inside your organization.

Performance: Panasas wrote the book on high performance storage. Whilst not always a primary consideration in your backup or archive tier, you can rest assured that we'll play our part in meeting your backup window—and there's plenty of horsepower to spare with our DirectFlow parallel processing capabilities. When you need to restore vital data too, our experience with performance workloads will benefit company productivity.

Supported Backup Environments: Commvault; NetVault; IBM Tivoli; Symantec NetBackup; ASG Time Navigator; BrightStor ARCServe Backup; Amanda Enterprise.

Panasas ActiveStor® and Commvault Simpana® Backup Solution

PROTECT, MANAGE AND RETRIEVE MISSION-CRITICAL DATA

Commvault Simpana® software is globally renowned as a comprehensive information protection and preservation platform. Simpana software is one product that contains individually licensable modules—all built on a single unifying code base and platform—to protect, manage and access your data and information. It delivers unparalleled benefits as a truly holistic software approach to data and information management. Its modular, scalable design is ideally complemented by the modularity of the Panasas ActiveStor Scale-out NAS architecture.

In the contemporary era of backup to disk—and potentially onward to the Cloud or a traditional Tape Library—as big data assets grow exponentially it's critical to ensure your storage backup target is truly scalable, reliable and easy-to-use. A cost-optimized Panasas Scale-out NAS offers all the desirable pre-requisite characteristics of a disk backup target. Namely scalability—from your prototype configuration to multi-petabyte capacity—allied with a trusted, fully hardened data protection schema that continuously improves as your system grows.
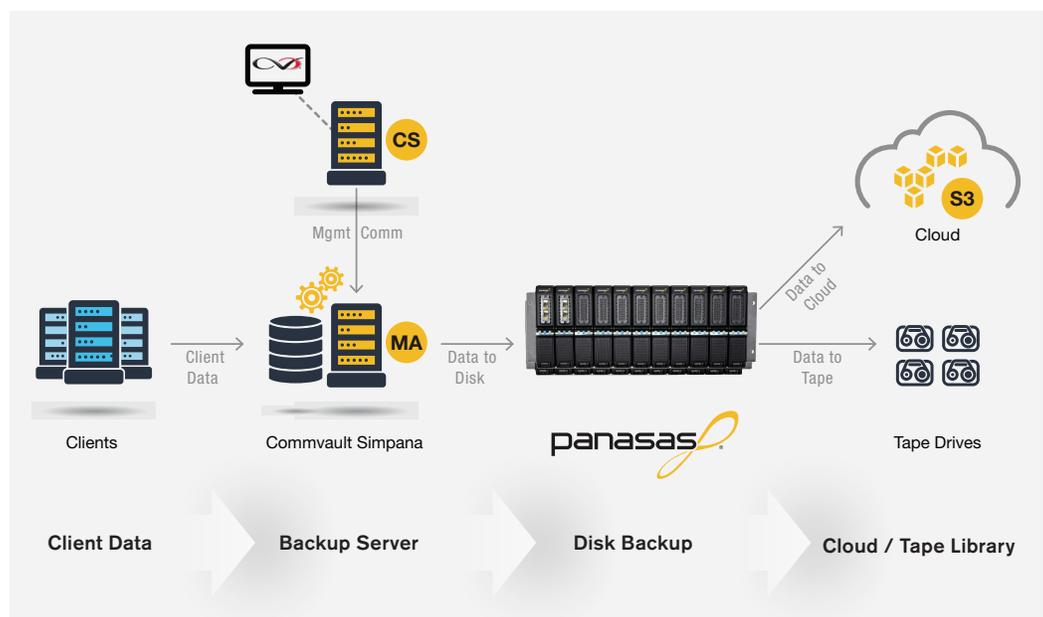
Our parallel Object RAID architecture also ensures that system performance keeps pace as capacity grows, which means that both backup and restore operations are fast, efficient and reliable.

	ActiveStor 16	ActiveStor 18
ActiveStor Generation	Fifth	Fifth
Product Focus	Highest Performance Value	Performance and $/TB
Capacity (TB)	82.4 /122.4	82.4 /164.8
SSD Acceleration	Yes	Yes
Throughput Read/Write (MB/sec)	1,700 / 1,600	1,700 / 1,600
4KB File Reads/s	>13,550	>14,150
Metadata Performance (Stats/s)	>13,550	>14,150
Cache (GB)	128	208
High Availability Network Failover	Standard	Standard
Link Aggregation	Yes	Yes

Note: A single 1 + 10 shelf configuration is assumed throughout. Volume fail-over was on for all configurations

MINIMIZE THE TCO OF YOUR DISK BACKUP TIER

The pairing of Panasas ActiveStor and Commvault Simpana affords you an efficient, best-of-breed information management solution that simplifies backup operations and allows centralized control over information lifecycle management. Foundational to our solution is the ability of a single system administrator to be able to easily manage what typically becomes a rapidly-growing backup storage infrastructure—as a single pool of storage. This contrasts markedly with other storage vendors whose low, single volume capacity ceiling necessitates the creation of multiple volumes across disparate islands of storage as data proliferates. Managing data movement and access quickly becomes an all-consuming task, significantly raising the cost of daily data operations management. By comparison, the economics of the Panasas ActiveStor system as a backup target offers compelling cost of ownership benefits that last throughout the life of your system, however large your data sets become.

With Panasas, big can be beautiful too.

For more information contact
Toll Free: 1.888.PANASAS
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Ask for details of our new customer backup storage bundles.