



Panasas Update

JUNE 25, 2013

GEOFFREY NOER, SR. DIRECTOR OF PRODUCT MARKETING

PANASAS OVERVIEW



- **ActiveStor® High Performance Scale-Out NAS Solution**
 - Shipping since 2004, now in 5th generation
- **Storage Focused Executives and Experienced Technical Team**
 - Dr. Garth Gibson, Founder & Chief Scientist, author of Berkeley RAID Paper
 - Dr. Brent Welch, Ph.D., Chief Technology Officer
- **Strong Panasas Financial Position**
 - >400 active commercial and public sector customers in >50 countries

Worldwide Support with Over 50 Resellers



Industry Recognition



Cloud
Project of
the Year



Faye Pairman,
Panasas CEO



Public Sector
Storage Project of
the Year



FOCUSED ON HPC/TECHNICAL COMPUTING



Aerospace



Automotive



Energy



Finance



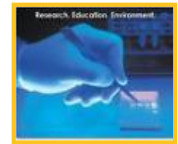
Government



Life Sciences



Manufacturing



University

Panasas Customers Include



ACTIVESTOR SCALE-OUT NAS



■ Leading Performance

- Capacity and performance scale linearly to 8PB and 150GB/s (architecturally unlimited)
- PanFS® parallel file system eliminates filer head and hardware RAID bottlenecks



ActiveStor 14 Appliance

■ Easy to Deploy, Use, and Manage

- Tightly integrated system
- Set up or grow capacity in under ten minutes
- Single, global namespace
- Multi-protocol: NFS, CIFS, DirectFlow/pNFS
- Enterprise features: snapshots, quotas



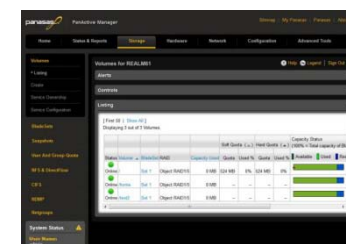
Director Blade



Storage Blade

■ High Reliability and Availability

- Object RAID with parallel RAID reconstruction
- Advanced dual parity implementation
- High redundancy in hardware and software
- Automatic capacity rebalancing



PanActive Manager

ACTIVESTOR 14: SATA + SSD



■ Intelligent, Unified, and Cost Effective

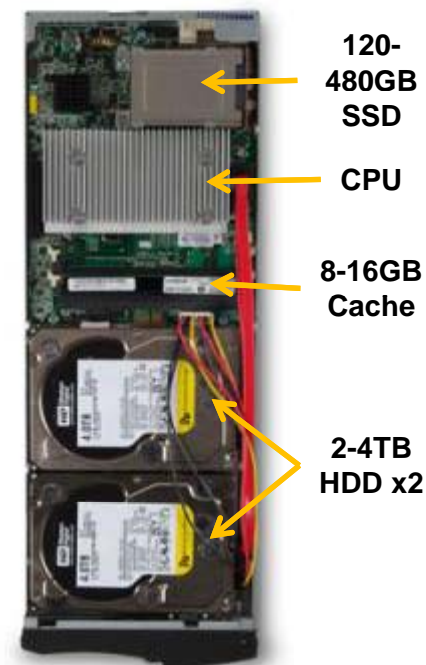
- HPC data sets normally 60-90% small files <64KB
 - But usually take up <1% of the capacity!
- Automatically places files on SATA or SSD
 - Large files on Enterprise SATA drives
 - Metadata and <60KB files on SSD
 - First 12KB of every file stored in metadata
- Dramatically speeds up small file performance, directory listings, file system responsiveness
- 1% capacity from SSD makes a huge difference without significantly impacting product pricing

■ Strong at Both Throughput and IOPS

- Ideal for mixed workload (real world) workflows
- Metadata congestion removed off hard drives, significantly accelerating throughput

● Please Contact Us for More Information!

- info@panasas.com



ActiveStor 14
Storage Blade