

UNIVERSAL STORAGE FOR

MEDIA AND BROADCAST



NEXT-GEN ALL-FLASH THAT TAKES THE 'WORK' OUT OF YOUR WORKFLOWS.

Media production and broadcast studios are being squeezed by the performance & cost demands of 4K, 8K and even higher-resolution video formats. At a time where archived data must be quickly repurposed to satisfy new business requirements – the performance of yesterday's archive is falling short of the pace of production needed for the age of streaming.

By combining the consistent performance of all-flash and the economics of archive storage systems, VAST Data's Universal Storage allows media companies to break the long-standing tradeoff between capacity and performance that has complicated media workflows for decades. With VAST, studios can now consolidate their production and archive requirements into a single, easy-to-manage namespace that can scale to exabytes, provides quality of service for each aspect of the workflow – all while supporting hundreds of 4K video streams or high-scale rendering requirements.

THE MEDIA STORAGE MESS.

Today's media and broadcast studios deploy a complex mix of storage systems, each dedicated to a small set of applications in an organization's workflow. In part, this is because traditional storage systems can not satisfy the different dimensions that these studios need to build toward:

1

Streaming storage for high-bandwidth editorial & playout applications

2

Transactional storage for rendering/VFX workflows

3

Large, low-cost storage for media archiving and VOD origin storage

VAST'S KEY BENEFITS

All-NVMe Flash Performance

Edit, render and stream data from all-flash infrastructure that easily supports the throughput and latency requirements of 4K, 8K and even higher resolution assets

Archive Economics

VAST's support for QLC flash, new similarity-based data reduction and 10-year longevity enable the archive economics of object storage

Enterprise NAS Simplicity

Eliminate the complexity of file system agents, Fibre Channel, and more

Multi-Protocol Access with Application QoS

Consolidate into a single-scalable NAS platform that provides support for multiple applications and ensures dedicated service quality for specific high-priority applications



A NEW APPROACH TO MEDIA WORKFLOWS AND ARCHIVING: VAST DATA UNIVERSAL STORAGE.

VAST's multi-protocol, exabyte-scale all-flash storage allows SMB, NFS, and S3 applications to access the same data in one tier, eliminating islands of storage and providing real-time access to all classes of content. This breakthrough storage platform enables media organizations to deploy a single system for everything from special effects rendering to feeding their internet streaming services, to archiving their most valuable media assets in a platform that delivers unmatched benefits:

All-Flash Infrastructure

Get predictable latency and high throughput to all stages of the pipeline.

Massive Scale-Out

Scale to thousands of editors, playout servers and render nodes all from a single, simple storage cluster – all with endless capacity.

A Multiprotocol Namespace

A unified data model that provides access to the same data over protocols such as NFS, SMB and S3.

The Scale and Portability of NFS

NFS volumes can be elastically scaled to petabytes, failover and volume sharing are easy.

SAN-Levels of Performance... Over Ethernet

Direct up to 10GB/s of performance to each pod with RDMA-over-NFS.

Archive Economics

VAST has pioneered many innovations to democratize flash: QLC flash translation, low-overhead erasure codes and groundbreaking global data reduction.

VAST server pools enable consolidation while preserving application performance dedicate storage controllers dynamically to applications • eliminate the noisy neighbor problem

