

# Software-Defined Storage for Every Stage of the Media Workflow

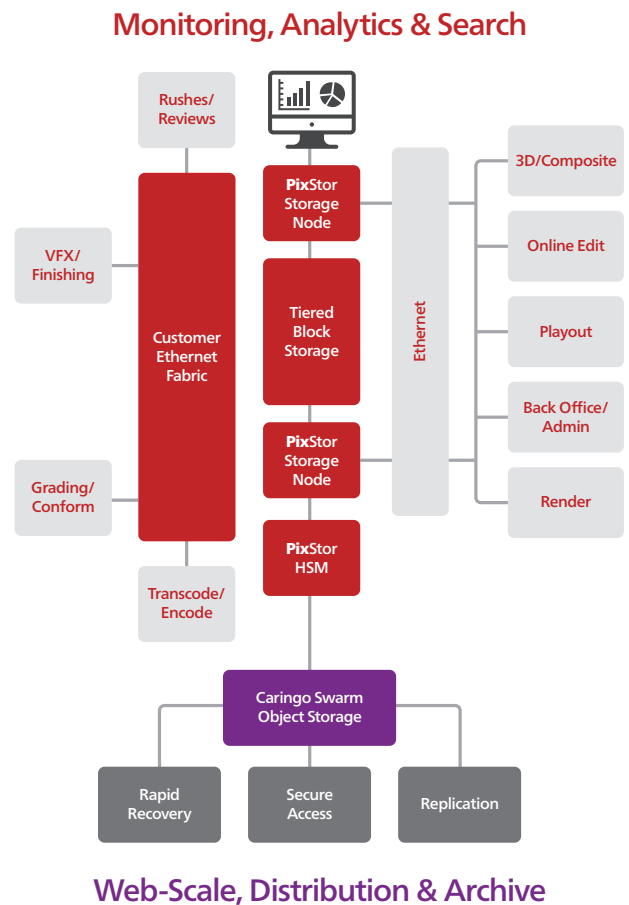
Changes in content creation workflows and access patterns of content creators and end users is stressing every aspect of the traditional Media & Entertainment (M&E) storage workflow. Petabyte-scale capacity needs and large file sizes are straining existing Fibre Channel networks, scale-out Network Attached Storage (NAS), and data protection methods like RAID and backups. Compounding these issues is the need to enable content distribution and delivery for collaboration or on-demand streaming while ensuring media assets are securely and instantly accessible. This leads to tough decisions for M&E IT professionals when upgrading infrastructure.

Do you invest in high-performance storage first, or enable protection, distribution and petabyte scale with object storage? How much of each solution is needed and how can you predict usage and growth to properly size each solution? And once you do this, how do you ensure operability throughout the entire M&E workflow from creation to management to archive?

The solution is leveraging a complete software-defined storage (SDS) approach combining Pixit Media's PixStor and PixStor Ngenea Hierarchical Storage Management (HSM) solutions with Caringo Swarm scale-out object storage platform.

## PixStor Supports More 4K Workflows than Any Other Solution

PixStor is a high-performance, highly scalable, enterprise-class storage solution specifically designed for M&E workflows. PixStor combines flash, disk, tape and cloud storage with affordable, high-performance Ethernet into a unified system that is higher performing, more scalable and lower cost than traditional legacy solutions. Data moves seamlessly through many tiers of storage—from fast flash to cost-effective, high-capacity object storage. PixStor provides the performance needed for combined VFX, finishing and rendering workloads to run at maximum speed while PixStor Ngenea HSM intelligently tiers data to Caringo Swarm for nearline/backup and active archive.



## Caringo Delivers Hassle-Free, Secure, Web-Scale Capacity on Premises

Caringo solves the issues associated with storing and protecting rapidly growing digital assets while keeping them online and accessible. With Caringo Swarm, you get many of the benefits of the cloud without sending your data to the cloud, including:

- 1 admin can manage 100s PBs
- Secure software appliance, protects from hacks and ransomware
- TB to Multi-PB scale on S3-compliant storage
- Instant access over HTTP, S3 or NFS
- Tunable for workload and data center footprint

Using Swarm, you can reduce storage TCO, scale to 100s of Petabytes and easily replicate content for disaster recovery—while ensuring that you and your customers have instant and secure access.

## Cost-Effective Performance & Capacity with a Complete SDS Approach

The combined solution from Pixit Media and Caringo is deployed on software-defined, open-standard hardware with no vendor lock-in, providing media organizations an economic advantage and more purchasing power, both now and in the future.

### About Caringo

Caringo was founded in 2005 to change the economics of storage by designing software from the ground up to solve the issues associated with relentless data growth. Caringo's flagship product, Swarm, decouples data from applications and hardware providing a foundation for continued data access and analysis that continuously evolves while guaranteeing data integrity. Today, Caringo software-defined object storage solutions are used to preserve and provide access to rapidly scaling data sets across many industries by organizations such as NEP, iQ Media, Argonne National Labs, Texas Tech University, Department of Defense, the Brazilian Federal Court System, City of Austin, British Telecom and hundreds more worldwide.

### About Pixit Media

Pixit Media creates highly scalable, enterprise-class storage, network and archive solutions for the Post-Production and Broadcast industries. Pixit Media has quickly become the de facto standard for Post and Broadcast in the UK, and is quickly expanding into Europe and the Americas. Pixit Media solutions are deployed by leading content creation and distribution organizations around the world. We have been counted on to deliver numerous commercially successful Oscar, BAFTA and Emmy winning TV, Film VFX, CGI, Sports Broadcasts, Commercials and Music Videos.

## For More Information

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