Purpose-built Solutions for Media and Entertainment Workflows

Seagate® and pixitmedia's® pixstor™—delivering high performance, scalable, and seamless storage solutions with best-in-class TCO

Solution Summary

pixstor software-defined storage combined with Seagate Nytro® and Exos® storage systems create high performance, scalable, and flexible data storage solutions with best-in-class TCO that are purpose-built to meet rigorous media workflow demands.

Benefits Summary

- Best-in-class TCO
- Guaranteed Performance
- Unlimited Scalability
- Advanced Security
- Enables Remote Workflows

Demanding media and entertainment workflows require high-performance storage to manage today's toughest challenges—while offering the flexibility to grow and adapt when you need to. pixstor software-defined storage solutions together with Seagate's industry-leading enterprise solutions provide you with the freedom to innovate and empower users to collaborate while keeping assets secure and cloud deployments cost-effective.

Together, Seagate and pixitmedia provide purpose-built, software-defined storage and data management solutions for the Media and Entertainment industries. That help clients overcome data-driven challenges and escape the limitations of today's technology—reducing cost and complexity while giving clients the freedom to work how they want, to do more, and thrive.

The Challenge

Creating blockbuster films, sports coverage, and award-winning TV and video content involves managing, sharing, and protecting massive volumes of data—moving it efficiently from one system to another, between artists, teams, and locations—quickly, securely, and cost-effectively.

This demanding workflow requires a high-performance, high-capacity, secure storage solution that can empower users to collaborate, simplify infrastructure, and offer a range of reliable products with proven design.

The Solution

pixitmedia's pixstor software is a complete software-defined shared storage solution that is purpose-built for media and entertainment workflows including animation and special effects, broadcast television, studio production, and post-production—serious demands that require a streamlined data storage solution approach.

When combined with Seagate's Nytro X 2U24 all-flash array for primary storage and Exos X 2U12 and Exos X 5U84 disk storage arrays for secondary storage—each with ADAPT data protection—you get a high performance, scalable, and flexible storage solution with best-in-class TCO.

Seagate Nytro and Exos storage systems provide an excellent combination of performance, capacity, modular configuration, and expandability making them the perfect storage solution for pixstor installations.

Nytro all-flash arrays deliver uncompromising performance at industry-leading price points, the perfect Tier 1 storage for demanding workflows—like color grading and VFX. Exos high-density disk arrays deliver up to 1.5PB of raw disk space in just five rack units, ideal for Tier 2 storage for production footage, graphics, audio, and other assets.

pixstor is a complete software-defined shared storage solution that is purpose-built for demanding media requirements. Its unique scatter algorithms for file placement deliver guaranteed performance from disk to desktop regardless of the percentage of file system used. pixitmedia's data-aware scale-out NAS platform ensures your data is always available, precisely when and where you need it—without compromise.

Powered by a proven high-performance parallel file system and trusted by thousands of businesses globally, pixstor can easily manage petabytes of data and billions of files, all in a single global namespace while providing a seamless user experience. It empowers media organizations to collaborate globally and to search, manage, and protect their data on-prem or in the cloud.

Combined with pixstor, Seagate systems create a flexible, high-performance platform for media creation and post-production workflows to support diverse performance and capacity needs.

Since pixstor is a software-defined architecture with a multi-tiered single namespace, Seagate high density, high performance storage platforms—including the Nytro and Exos systems—are the perfect complement for creating a single file system with Tier 1 and Tier 2 performance.

In addition to the core file system performance, pixstor also brings a powerful search interface, audit-compliant security, and data analytics. Add in the ngenea® data management layer to manage, migrate, and replicate data through multiple tiers of on-prem object storage and off-prem cloud or remote site storage—all in a single namespace integrated with pixstor Search—to find and recall assets seamlessly across all storage tiers.

Features & Benefits

- Best-in-class TCO
- Guaranteed Performance
- Unlimited Scalability
- Simple Management
- Single Global Namespace

- Advanced Security
- Enables Remote Workflows
- Cross-Platform Support
- Simple Cloud Deployment

Seagate and pixitmedia have partnered to enable customers to quickly build and operate their own private storage cloud.

Seagate delivers an industry-leading storage platform allowing up to 1.5PB in 5U, which increases rack density and lowers the data center footprint while increasing performance required by machine learning, cloud-native container applications, and advanced telecom native applications.

Together, Seagate and pixitmedia provide the industry-leading solution to run your private cloud storage infrastructure, powering your most demanding applications running in your cloud and at the edge.

Conclusion

For more information on Seagate and pixitmedia software-defined storage solutions, visit **www.seagate.com/solutions/partners/pixitmedia**

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