Speed animation production and drive business efficiencies with Qumulo

The animation industry continues to grow at a rapid pace, as consumers around the world demand higher-quality productions with realistic animation and complex visual effects. Animation pipelines, including 2D and 3D, are becoming increasingly complex, and can include editing and processing of billions of files. In many cases, multiple animators, in studios and remote sites, need to work collaboratively to complete projects to meet tight production deadlines.
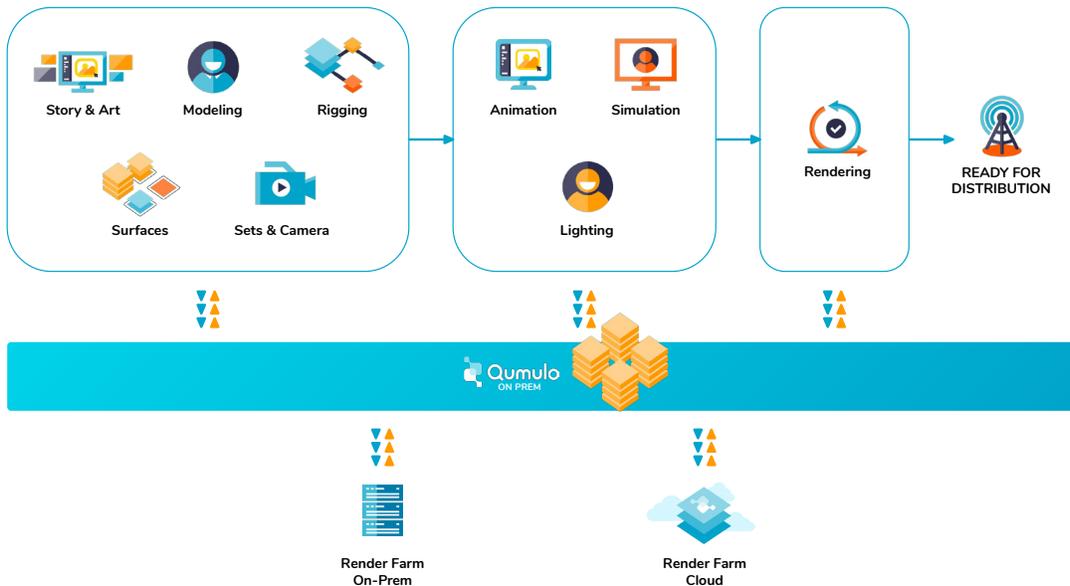
In addition, animation studios are realizing that cloud-based rendering of animated films can be more effective and efficient for complex character rendering and modeling processes, as it reduces the time and cost compared to traditional rendering. They are looking to modern hybrid file software and cloud data services to help them leverage the cloud when needed, to speed up production.

Qumulo's hybrid file software and cloud data services speed today's demanding workflows

Qumulo's hybrid file software and cloud data services fit perfectly into media environments and integrate seamlessly with existing applications to support today's demanding animation workflows. Qumulo is used by leading animation studios, providing reliable, high-performance data access to speed creativity and collaboration, as well as robust management and storage for petabyte levels of animation and video production content across on-prem, in cloud environments, or both. Qumulo's file system is designed to provide support and visibility for billions of files, with easy scalability to enable rapid growth and expansion.

Key Benefits

Accelerate performance and productivity to meet deadlines faster

- Reliable high-performance data access and delivery
- Enable collaboration for artists wherever they are located
- Spin up cloud compute power quickly and easily to speed rendering
- API-first design for simple application integration to automate workflows
- Scale across on-prem, private and public cloud environments
- Simple modular scalability – grow to support petabyte-scale capacities
- Supports both SMB and NFS file protocols
- Built-in enterprise data protection and cost efficiencies
- Improve business efficiencies with real-time analytics

Story & Art   Modeling   Rigging   Surfaces   Sets & Camera   Animation   Simulation   Lighting   Rendering   READY FOR DISTRIBUTION

Qumulo ON PREM

Render Farm On-Prem   Render Farm Cloud

Organizations can utilize Qumulo's all-NVMe or hybrid flash-first platforms, which enable flash-first writes and predictive caching to ensure the data you need is always in flash. Low latency and ultra-fast performance accelerate collaboration, creativity, management, and delivery. Qumulo's hybrid file software provides fast data access and powers rendering, together with cost-efficient content storage, in one solution – no complex tiering is required.

"Qumulo has enabled us to boost Cinesite's competitive position within the industry."

— Graham Peddie,
Chief Operating Officer, Cinesite Montreal

Leveraging Amazon Web Services (AWS) or Google Cloud, Qumulo enables animation studios to quickly and easily burst compute power to cloud to create render farms on demand, to support rendering and modeling processes. In addition, studios can also spin up complete cloud production environments, or CloudStudio, to enable multi-location production teams to access all the content they need to more effectively collaborate and meet project deadlines faster. This flexibility eliminates the barriers and complexities of legacy storage that studios needed to manage, enabling them to address today's rapidly changing animation production pipeline requirements quickly and easily.

Supporting performance and capacity demands and built-in efficiencies to reduce costs

Qumulo's file system provides many built-in efficiencies to eliminate the scaling complexities of the past, in both data center and cloud environments, while reducing operational and administrative costs. Qumulo's software-defined design provides a simple, highly scalable, and efficient storage solution which utilizes clusters of nodes made up of Qumulo hardware, or pre-qualified industry-standard hardware. As project requirements and capacities grow, organizations can simply add nodes to their Qumulo infrastructure to increase both performance and capacity levels, as and when needed, with no downtime, and no interruption to creativity.

Qumulo ensures the most cost effective, fail-proof data protection for petabyte levels of content with the use of erasure coding. Data is protected for the long-term within an active archive so that content is always available to artists, with minimal storage overhead, requiring no extra software or tiering strategies. In addition, Qumulo enables maximum file storage efficiency for both small and large files, and allows 100% usable storage capacity, so organizations can make the most of their investment.

Visibility into data and usage with real-time analytics

Qumulo's file system provides built-in real-time analytics that help optimize animation environments by allowing real-time performance monitoring of the entire environment, including workstations, down the individual file level, simplifying the management of production and content regardless of location. Real-time analytics provide administrators with the insights they need to manage issues proactively and to make well-informed planning decisions for the future.

Customer support that will delight you now and into the future

Qumulo's hybrid file software is available through a simple subscription model that covers everything, including upgrades, new features, and support to help make costs transparent. Qumulo's award-winning customer success team provides instant access to a dedicated storage expert via communication tools such as Slack, ensuring you have the support you need right away to keep creativity flowing.

About Qumulo

Qumulo is the leading provider of cloud file data services, providing real-time visibility, massive scale and API control of your data across on-prem, private and public cloud. Qumulo's cloud-native file system delivers an identical experience and capabilities across on-prem, hybrid, cloud, and multicloud environments.

www.qumulo.com.