SOLUTION BRIEF

A UNIFYING APPROACH TO THE STORAGE DEMANDS OF MEDIA AND ENTERTAINMENT

Quobyte

Top Challenges

- **Complex, difficult to integrate ecosystems (MAMs, VFX, grading, compositing...)**
- **Increased pixel depth/frame rates and 6K/8K drive up rendering/transcoding time**
- **Costly, high maintenance multi-vendor storage silos**
- **Limited turn-around time for streaming content**
- **Render farm sizes growing**
- **Tight, project-level security requirements**

First to stream, first to screen

Multi-gigabyte raw camera downloads, color grading workstations, VFX editors and multi-thousand node render farms. All these facets of post-production workflows present one *very* challenging storage environment. Factor in the crushing deadlines that online content delivery imposes and the stress quotient can be debilitating.

Unfortunately, many studios make do with cobbled together point solutions from disparate vendors. They might deploy object storage for ingest/archival, NVMe (flash) for render farms, and NAS for compositing. But maintaining these diverse technologies drives up support costs, demands domain expertise, and more often than not thwarts integration efforts.

Quobyte offers an alternative approach: scalable, cost-effective storage software that delivers the IOPS, throughput, and resiliency to tame your formidable workflow needs. A system designed to ease your administrative burden while providing broad connectivity choices.

Many challenges, one solution

Cost containment is vital throughout the post-production process. But many of today's workflow solutions have evolved into expensive, unwieldy and nearly intractable piles of hardware and software. Your MAM speaks NFS, your object store uses S3, your color artists all have Windows, and your render farm just isn't fast enough. You bought storage for each one and now ponder how to integrate them all with limited staff.

It doesn't have to be this complex. At Quobyte, we speak your language. Use our Linux FUSE client for your render farm and get high IOPS/low latency and parallel IO performance for thousands of nodes. Ingest your huge camera files via NFS or SMB. Connect your Mac or Windows workstations and our unified access lets users work on those very same files. No migration, no duplication, no data movement required. And when the time comes, transparently migrate older files to an erasure coded volume to save space. You can even serve them up via our stateless S3 proxy.

Need to keep your projects isolated for legal reasons? With Quobyte storage software you can specify (down to the individual drive) exactly which hardware is accessible, and by whom. Full support for multi-tenancy gives administrators total control, while on-the-fly reconfigurability means changes take only minutes, with zero down time.

Key Benefits

- **High IOPS, consistent sub-millisecond latency**
- **Parallel I/O delivers unrivaled throughput**
- **Near-perfect linear scaling**
- **Erasure coding option, perfect for archival and sequential workloads**
- **Device-level security/isolation**
- **"Lights-out" data center resiliency; self-healing**
- **POSIX file system for seamless integration**
- **100% hardware and kernel independent**
- **Hadoop, Docker and OpenStack support**
- **Policy-driven data placement and tiering**
- **Integrates with Kubernetes, Rancher, and Mesosphere**

Get Quobyte Now!

Grab our Evaluation Guide, download Quobyte and be up-and-running in one hour.

Click here »

Enterprise ready, highly configurable

Customers choose Quobyte's software storage solution for the operational ease and flexibility it offers. Features like user-definable data placement, policy-driven tiering rules, and data pinning give storage admins the freedom to optimize for *their* environment. Quobyte believes in freedom of choice, not vendor lock-in. And with no kernel dependencies, Quobyte software is *the* most flexible software-only storage solution in the market today. Yet with all of this flexibility, the system is far easier to operate than a number of alternatives. And with its unlimited data capacity, non-disruptive live updates, and multi-thousand node scalability, you'll never outgrow your Quobyte investment.

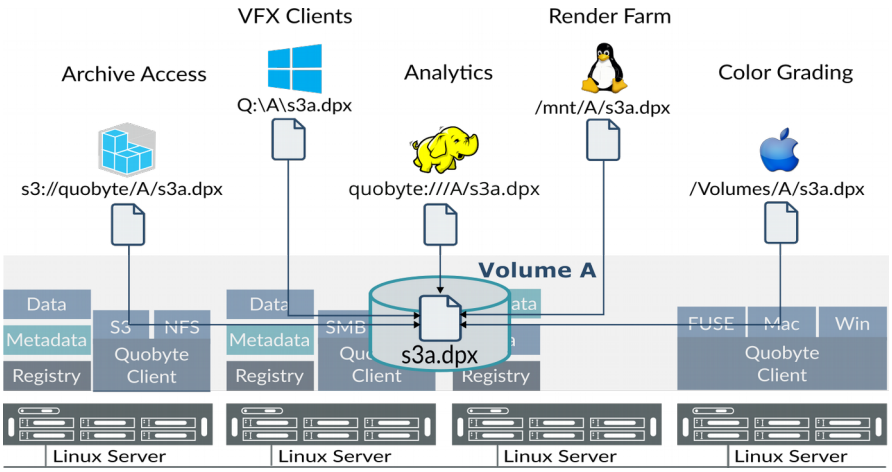
Keeping data access fast and reliable

Delivering hyper-performance storage *while* maintaining data availability despite disk or network failures takes a holistic design approach. Customers can trust Quobyte storage because it was built to handle real-world failures and still remain operational. True end-to-end checksums of every data block assures data integrity. Ultra-low latency and fast metadata operations keep up with the toughest small-file workloads. Hardware monitoring will offline an errant disk before it causes corruption, and self-healing heuristics route around node failures.

Built for the future

Yesterday's inflexible data center design is quickly giving way to tomorrow's highly responsive containerized world. With Quobyte, your storage will be ready. Not only does our software provide persistent container storage, it can also be run *inside* of containers. Combine that with Kubernetes support and a powerful RESTful API and you've got an ultra-responsive solution for rapidly fluctuating workloads. Quobyte also supports OpenStack's Cinder, Glance, Manila, and S3 interfaces, and is also compatible with Hadoop.

Unified Storage Access



Quobyte®

Data Center File System™. Fast and Reliable Software Storage.

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