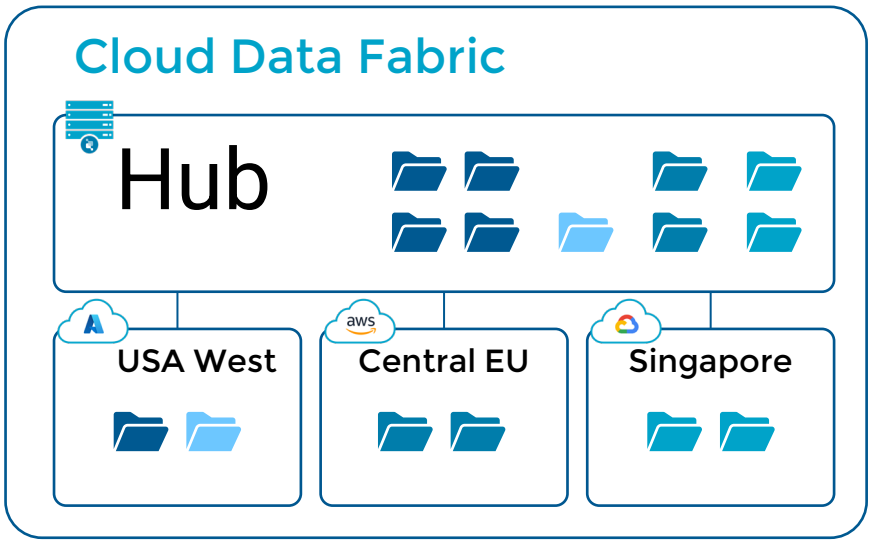
Qumulo

Qumulo Cloud Data Fabric, Unified Data Management for the Hybrid Enterprise

ANY DATA
ANY LOCATION
TOTAL CONTROL

EXECUTIVE SUMMARY

Qumulo Cloud Data Fabric (CDF) connects data across data centers, edge locations, and the cloud into one unified system. It gives teams fast, reliable access to shared data and enables real-time collaboration anywhere without making extra copies, relying on complex central services, or locking data into a single environment.



KEY BENEFITS

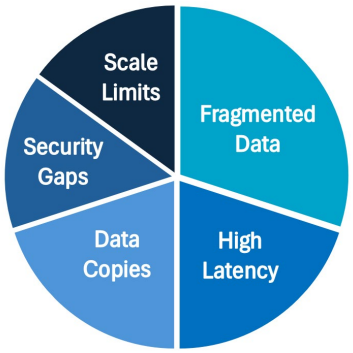
With Cloud Data Fabric, organizations can:

- Enable real-time global collaboration without copies
- Deliver local-like performance to users anywhere
- Eliminate replication complexity and centralized metadata bottlenecks
- Maintain strict governance, security, and consistency at global scale
- Deploy applications where compute, cost, or regulatory requirements dictate
- Retain full control over data access, performance, and cost

THE CHALLENGE

Enterprises today generate and rely on massive volumes of unstructured data from AI training datasets and analytics to media, telemetry, and enterprise collaboration content. This data is increasingly distributed across data centers, edge locations, and multiple public clouds. Traditional storage architectures were never designed for this reality.

As a result, organizations face:



These constraints slow innovation, increase operational cost and risk, and prevent organizations from extracting timely value from their data.

THE SOLUTION: A GLOBAL DATA FABRIC

Qumulo Cloud Data Fabric replaces fragmented storage and replication-heavy designs with a single, strictly consistent global file system. It allows enterprises to access, manage, and collaborate on data anywhere while maintaining one authoritative source of truth.

CDF treats data abstractly, decoupling file system semantics from physical storage and infrastructure. This enables data to be shared, tiered, and accessed across heterogeneous environments without disrupting applications or workflows.

ARCHITECTURE OVERVIEW

Data Core

The Data Core is a high-performance distributed file and object storage system that runs natively on standard hardware and across major public clouds. It provides durable, scalable storage with full enterprise control.

Coherent Edge Cache

Edge systems maintain a coherent cache that brings data close to users and applications. Data is expressed from the core to the edge on demand, delivering local-like performance while preserving strict consistency.

Point-to-Point Data Portals

Rather than relying on centralized metadata managers or cloud-hosted orchestration layers, CDF connects Qumulo systems directly using secure, point-to-point data portals. Each dataset has a defined “home,” allowing locks and metadata operations to be resolved locally. This avoids latency, contention, and security risks common in metadata-centric designs.

Strict Consistency by Design

CDF includes a global namespace that provides distributed locking, authentication, and logging to ensure that all users and applications see the same data state across all systems, eliminating stale copies, merge conflicts, and manual reconciliation.

INTELLIGENT PERFORMANCE

CDF is deeply integrated into the Qumulo Data Operating System, enabling optimizations that overlay solutions cannot achieve:

- NeuralCache predicts and prefetches data based on real access patterns
- Block-level streaming transfers only changed data, reducing WAN usage
- Protocol termination and optimized transport deliver high throughput over high-latency links
- Telemetry-driven routing ensures predictable performance across regions and clouds

USE CASES AND INDUSTRIES

Cloud Data Fabric supports a broad range of enterprise workloads, including:

- AI and accelerated computing
- Hybrid, edge, and multi-cloud data access
- Media and entertainment collaboration
- Healthcare and life sciences research
- Financial services analytics
- Long-term archive and cost-efficient storage

DEPLOYMENT AND ECONOMICS

Available through major system vendors, IT resellers, and public cloud marketplaces, Cloud Data Fabric uses flexible, consumption-based pricing aligned across on-premises and cloud deployments.

Product/Service	Pricing
Cloud Data Fabric	$ per TB / Month

ABOUT QUMULO

Qumulo is the leading provider of cloud file data platforms, offering unrivaled performance, scale, and data management solutions. Qumulo’s platform is trusted by Fortune 500 companies and global enterprises to manage petabytes of data, enabling them to unlock the value of their data and drive innovation. For more information, visit www.qumulo.com

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