

7 WAYS QUMULO IS MAKING CLOUD DATA STORAGE RADICALLY SIMPLE

A QUMULO + AWS CASE STUDY IN ON DEMAND SCALABILITY AND PERFORMANCE

YOUR CHALLENGE: The demand for advanced data and computing capabilities is increasing alongside requirements for remote access. Companies need to scale storage and computing capabilities, even while maintaining high-speed access and collaboration among members of a decentralized workforce.

YOUR SOLUTION: Qumulo's cloud-native file system allows organizations to safely and effortlessly move file-based applications and workloads to the public cloud, from any location. That's because Qumulo seamlessly integrates into existing file-based enterprise networks and workflow environments using the world's most trusted cloud platforms—Amazon Web Services (AWS), Google Cloud Platform (GCP), and Microsoft Azure.

THE RESULTS: You get high-performance, scalable, hybrid-cloud file storage delivering real-time visibility and control of your data across on-premises and cloud.

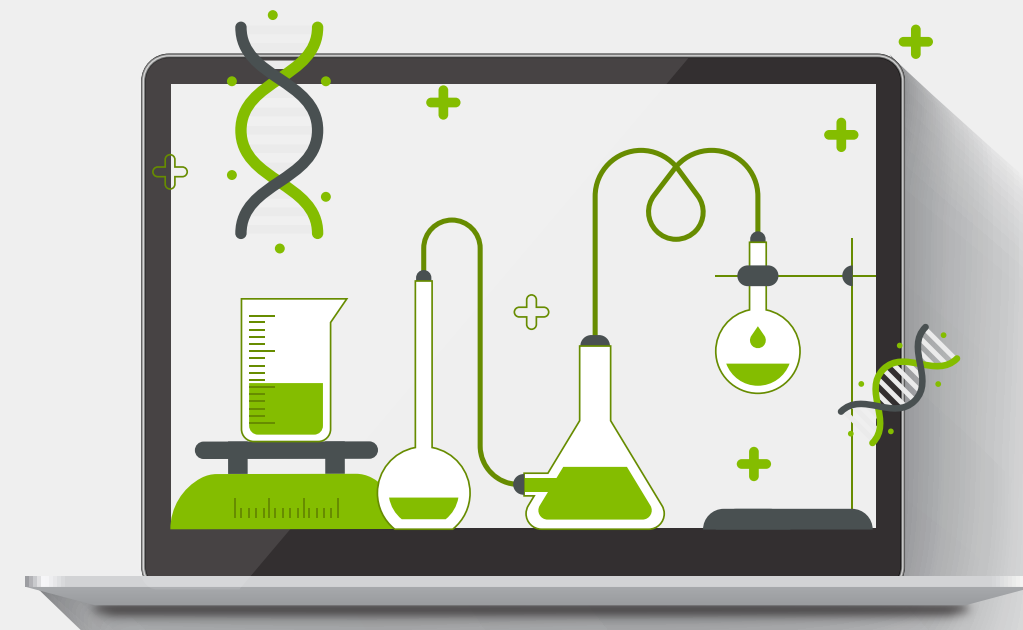
- 1 SIMPLIFIED DATA MANAGEMENT**
 The same data management tools, technology, and users span both cloud- and on-premises environments, ensuring easy data management no matter where your users and key stakeholders are positioned. Once the system is running, practically any employee can manage Qumulo successfully.
- 2 LIGHTNING-FAST CAPABILITIES**
 Qumulo clusters render, process, and analyze without bottlenecks—enabling your employees to gain access and leverage insights from the data quicker.
- 3 REAL-TIME ANALYTICS**
 Maintain visibility and control over data and users, even in remote environments. Pinpoint problems and make informed decisions when scaling performance or capacity.
- 4 DATA RELIABILITY AND PROTECTION**
 Qumulo's distributed file system aggregates and protects cloud storage. Native replication creates a secondary copy of your data to protect against data loss across a zone or region. Snapshots give the option to rollback to point-in-time copies as well.
- 5 CLOUD BURSTING**
 Companies without enough hardware resources or that require additional compute support on an interim basis can leverage bursts from the cloud to scale performance and capacity.
- 6 REDUCED COST AND TCO**
 Qumulo costs less and has lower TCO than legacy storage appliances. Its advanced file-system technology means that 100% of provisioned capacity is available—significantly more than the 70% or 80% that legacy storage systems provide.
- 7 FLEXIBILITY**
 Qumulo offers a flexible deployment model, so you can create the right sized cluster based on the capacity and performance needs.

No matter your industry, you can transform your business with the scale and flexibility of the cloud and the collaborative and innovative opportunities provided by a next-generation data storage solution. Qumulo transforms how you access and process data, no matter the complexity of your work and the data and file types you require.

CASE STUDY SNAPSHOT

QUMULO IN AWS — DELIVERING ON DEMAND SCALABILITY AND PERFORMANCE

USE CASE: A global clinical laboratory testing and diagnostics company was looking for cloud-native file platform as a replacement for their existing scale-out network-attached storage system. They needed a



new solution for hosting their on-premises next generation DNA sequencing pipelines and workflows and it was critical the new solution be able to scale on demand with high performance. Coupled with the business demands, there was also a mandate to evacuate the data center which proved to be the right time to make a change.

REQUIREMENTS:

- 2 clusters running in AWS for production and QA environments – with a potential third cluster for data recovery and continuity of operations for the production cluster
- Usable capacity per cluster in the 350-400TB range
- Multiprotocol support, primarily NFS but some SMB shares as well
- Easily scale capacity and performance, and simplified management
- Leverage AWS as part of their hybrid cloud solution; cloud bursting for mission critical workloads

SOLUTION:

LEVERAGE QUMULO IN AWS FOR SOFTWARE DEFINED HYBRID CLOUD FILE STORAGE

Qumulo creates a distributed file system with built-in analytics and native file protocols such as NFS, SMB, and REST. Qumulo can run on-premise or in the public cloud, is simple to deploy and easy to manage.

SIX BOTTOM-LINE BENEFITS ACHIEVED BY RUNNING QUMULO IN AWS:

1. SIMPLICITY

This single solution removes the complexity of managing volumes, luns, and complex fabrics found in dual-controller architectures. Reduction of operation overhead as it meets the same FTE to manage 1PB or 10PB, or more.

2. EFFICIENCY

Utilizes 100% of your usable capacity.

3. SCALE

Qumulo offers unlimited scale. Performance increases linearly as the environment grows over time.

4. PERFORMANCE

A flash first architecture accelerates time to discovery for pipeline analysis.

5. ANALYTICS

Quick insight into the data itself to more easily identify hot-spots, predict/analyze trends in growth and consumption, and real-time reporting for charge-back.

6. CLOUD INTEGRATION WITH AWS

Either hybrid-cloud or cloud-native. Achieved AWS Well-Architected Framework that provides architectural best practices across the five pillars for designing and operating reliable, secure, efficient, and cost-effective systems in the public cloud.

Qumulo supports data storage in dozens of complex digital environments—including healthcare, media and entertainment, and research industries, among others. It remains the fastest and most affordable file system in the cloud for enterprise companies in these fields where massive amounts of data need to be accessed, processed, shared and analyzed.

A SIMPLIFIED EXPERIENCE THAT DELIVERS BUSINESS OUTCOMES

WEI is your complete Qumulo integration partner, from architecting and deploying an enterprise storage solution that helps you drive your desired business outcome, to providing support and planning as a trusted advisor as your business needs grow and change.

Connect with WEI today to learn more about our experience with Qumulo, and how our customers are utilizing it to successfully manage enterprise data storage in remote-work environments.

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