Qumulo Solutions with HPE

Hewlett Packard Enterprise

Scale Anywhere™ with Powerful Platforms

Together, HPE and Qumulo simplify your unstructured data anywhere and with the choice to consume as-a-service via HPE GreenLake. Reliably store and manage billions of files that can be securely accessed via rich file protocols and an S3 API. Gain instant control of your data at lower cost and higher performance, at the edge, in the datacenter, and in the cloud.

With purpose-built all-NVMe flash and hybrid-NVMe flash systems forged from industry leading HPE Alletra 4000 and HPE Apollo 4000 data storage servers, you can achieve the ideal mix of price, performance, and capacity to address your unstructured data needs now and in the future. HPE and Qumulo empower you to store, manage, and curate your data, at scale, to match the needs of your business.

Scale Anywhere™

Your Data Anywhere
At the edge in the data center, and in the cloud - get up to 455GB/s of performance for your unstructured data workloads. Get scalable performance regardless of the number of files, buckets, objects, or total capacity.

Efficiency
With advanced erasure coding, store billions of files with a system that handles small files as efficiently as large ones. User files can occupy 100% of provisioned capacity without performance or management issues.

Simply Secure
Data protection techniques include erasure coding for fast re-protect, replication, snapshots, and FIPS 140-2 certified. Built-in security extends 'silicon to software, factory to cloud', with HPE Integrated Lights Out 6.

Unparalleled Support

Zero-Latency Support
Direct access to Qumulo engineers and system admins via Slack, phone, or email - with response times in minutes.

Cloud Based Monitoring
Qumulo delivers insight into historical trends about how your system is used and proactively detects potential problems, such as disk failures.

Access Any Way

Protocol Completeness
Native SMB, NFS, S3 API, FTP, HTTP, and FTPS are optimized for enterprise-grade needs. Users can access the same data from any protocol. NTFS and POSIX permissions are automatically managed, effectively preserving ACL inheritance.

Cloud Native
Qumulo runs natively on AWS, Google Cloud Platform, and Microsoft Azure. Leverage applications in the cloud using Qumulo to copy data to/from Amazon S3. Use storage for Kubernetes, using the Qumulo CSI driver to provision persistent storage for K8s clusters.

HPE GreenLake
Qumulo is offered, as-a-service, via HPE GreenLake. The service provides a pay-as-you-go platform for file data for a wide range of workloads. Users gain fast access to their data and key applications in a cost-effective, consumption-based model.

Real-Time Analytics
Qumulo's real-time analytics dashboard, combined with the Operation Management option for the HPE Alletra 4110 data storage server, provide an intuitive cloud management experience, with access control, usage monitoring, system health status, and firmware management.

Qumulo on HPE Appliances

Active	All-NVMe EDSFF Flash		
Server Model	HPE Alletra 4110		
Platform Configuration	HPE 38T	HPE 153T	HPE 307T
Form Factor	1U		
Raw Storage Capacity	38 TB	153 TB	307 TB
SSD/NVMe	10 x 3.84 TB E3.S NVMe	20 x 7.68 TB E3.S NVMe	20 x 15.36 TB E3.S NVMe
Networking	4 x 100 GbE	4 x 100 GbE	4 x 100 GbE
CPU	2x Intel Sapphire Rapids 4410Y 12 cores/2.0GHz	2x Intel Sapphire Rapids 4410Y 12 cores/2.0GHz	2x Intel Sapphire Rapids 4410Y 12 cores/2.0GHz
Memory	128 GB	128 GB	128 GB

	NVMe-Hybrid			
Server model	HPE Apollo 4200 Gen10 Plus			
Platform	HPE Active 36T	HPE Active 90T	HPE Active 240T	HPE Active 480T
Form Factor	2U			
Raw Storage Capacity	36TB	90TB	240TB	480TB
Logical Flash Cache Capacity	2.4TB		6.4TB	12.8TB
HDD	9x4TB	9x10TB	24x10TB	24x20TB
Networking	2 x 25GbE or 2 x 100GbE		2x100GbE	
CPU	INTEL ICELAKE 4310 12 cores/2.1GHz		2x INTEL ICELAKE 4310 12 cores/2.1GHz	
Memory	64GB		128GB	

General Purpose	NVMe-Hybrid	
Server model	HPE Apollo 4200 Gen10 Plus	
Platform	HPE GP 240T	HPE GP 480T
Form Factor	2U	
Raw Storage Capacity	240TB	480TB
Logical Flash Cache Capacity	6.4TB	12.8TB
HDD	24x10TB	24x20TB
Networking	2x25GbE	
CPU	2x INTEL ICELAKE 4310 12 cores/2.1GHz	
Memory	128GB	

About Qumulo

Qumulo is the radically simple way to manage petabyte-scale data anywhere – edge, core or cloud – on the platform of your choice. In a world with trillions of files and objects comprising 100+ Zettabytes worldwide, companies need a solution that combines the ability to run anywhere with simplicity. This is precisely what Qumulo was founded to accomplish. www.qumulo.com