

Qumulo File Data Platform with HPE

Highscale file data software meets world-class server platforms

Simplicity at Scale Meets Powerful Server Platforms

HPE and Qumulo teamed up to offer Qumulo's modern hyperscale file data platform on HPE's rock-solid server platforms to meet today's application demands.

Qumulo's advanced file data platform allows you to precisely and efficiently grow capacity and performance, reaching multi-petabyte scale, on enterprise ready, HPE Apollo Gen10, Apollo 4200 Gen 10 Plus, and ProLiant Gen10 Plus platforms.

Designed for the World's Largest Workloads

Unstructured file data—and lots of it—is at the heart of innovation within media & entertainment, healthcare, genomics research, autonomous vehicles, and much more.

With Qumulo and HPE's carefully selected configurations optimized for price, performance, and capacity requirements, you can create, transform, and deliver your unstructured file data at massive scale and unmatched performance and ease.

Built on the HPE ProLiant DL325 Gen 10 Plus 291TB All-NVMe server, customers can deploy one of the most dense all flash arrays available on the market for their largest capacity and highest performance needs.

Customers can achieve near NVMe performance at near HDD prices with the all new hybrid-NVMe platforms available from HPE and Qumulo. Based on the Apollo 4200 Gen 10 Plus, customers can deploy a next generation storage platform that uses software based intelligent algorithms to ensure that all writes and most reads are handled by the NVMe cache first improving performance and then intelligently stored on HDD for long term lower cost data management without any intervention by storage administrators.

Take Control



Programmable Infrastructure

With Qumulo you can, automate and manage data services with APIs for every feature in the Qumulo file data platform and an easy-to-use dashboard.



Cloud Based Monitoring

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

Understand your Storage



Real-Time Visibility

Qumulo Aware monitors petabytes of data usage and performance including throughput and latency for every file and user across on prem and on the public cloud with real-time operational analytics no matter how many files or directories you manage.

Customer Delight



Access to Innovation

Qumulo uses modern development practices, with small, frequent software releases that keep our file system on the leading edge of what's possible.



Out-of-the-Box Simplicity

Skip the pain. In an matter of hours, not days, Qumulo can be installed and configured to serve data.

Scale



Dynamically Scale

Qumulo Scale dynamically scales to serve petabytes of data, billions of files, millions of operations, and thousands of users with cost-efficient storage for different files. It intelligently adapts to your growing needs and supports billions and billions of large and small files in a single namespace.

HPE Appliances Powered by Qumulo

Active

HPE Proliant DL325 Gen 10 Plus	All-NVMe		
Platform Configuration	HPE 34T	HPE 145T	HPE 291T
Form Factor	1U	1U	1U
Raw Storage Capacity	34 TB	145 TB	291 TB
SSD/NVMe	9 x 3.84 TB NVMe	19 x 7.68 TB NVMe	19 x 15.36 TB NVMe
Networking	4 x 100 GbE	4 x 100 GbE	4 x 100 GbE
CPU	24 cores 2.8 Ghz	24 cores 2.8 Ghz	24 cores 2.8Ghz
Memory	128 GB	128 GB	128 GB

	SSD / HDD Hybrid			NVMe-Hybrid			
Server model	HPE Apollo Gen 10			HPE Apollo 4200 Gen10 Plus			
Platform	HPE 36T	HPE 90T	HPE 192T	HPE Active 36T	HPE Active 90T	HPE Active 240T	HPE Active 480T
Form Factor	2U			2U			
Raw Storage Capacity	36 TB	90 TB	192 TB	36TB	90TB	240TB	480TB
Logical Flash Cache Capacity	1.44 TB	2.88 TB	5.76 TB	2.4TB		6.4TB	12.8TB
HDD	9 x 4 TB	9 x 10 TB	24 x 8 TB	9x4TB	9x10TB	24x10TB	24x20TB
Networking	2 x 25 GbE	2 x 25 GbE or 2 x 100 GbE	2 x 100 GbE	2x25GbE		2x100GbE	
CPU	10 cores 2.2 GHz			1x Intel 4310 Icelake		2x Intel 4310 Icelake	
Memory	64 GB	64 GB	128 GB	64GB		128GB	

General Purpose	SSD / HDD Hybrid		NVMe-Hybrid	
Server model	HPE Apollo Gen 10		HPE Apollo 4200 Gen10 Plus	
Platform	HPE 336T		HPE GP 240T	HPE GP 480T
Form Factor	2U		2U	
Raw Storage Capacity	336 TB		240TB	480TB
Logical Flash Cache Capacity	7.68 TB		6.4TB	12.8TB
HDD	24 x 14 TB		24x10TB	24x20TB
Networking	2 x 25 GbE		2x25GbE	
CPU	10 cores 2.2 Ghz		2x Intel 4310 Icelake	
Memory	128 GB		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