



HPE Apollo 4200 180TB Qumulo Node (Q2S16A)

File Storage



What's new

- New custom built HPE Apollo 4200 Gen10 server 90 TB and 192 TB Hybrid Nodes for Qumulo
- New custom built HPE Apollo 4200 Gen10 server 336 TB Archive Node for Qumulo

Overview

Are you concerned about storing and managing file data at scale?

HPE Solutions for Qumulo hybrid cloud file storage is an enterprise-proven, modern, highly scalable file storage solution that runs in the data center and/or the public cloud. More economical than legacy storage with leading performance, the solution provides real-time analytics to help save time and money while increasing performance. Continuous replication allows data to move where it's needed, when it's needed. For example, between on-prem clusters and clusters running in the

public cloud.

HPE, together with Qumulo, effectively addresses your growing unstructured data needs – scale and manage billions of files with instant control at lower cost and high performance, on-prem, off-prem, or spanning both – now and into the future.

Features

High-performance, Enterprise-proven Scale-out NAS and File Storage Features you Expect

Scale to billions of files with Qumulo's advanced file system that handles small files as efficiently as large ones. There is no practical limit to scale in capacity, performance, file count or node count. User files can occupy 100% of provisioned capacity without performance or management issues.

Sophisticated data protection techniques including highly efficient erasure coding, replication and snapshots, enable the fastest re-protect times in the industry. Qumulo's auditing capability is easy to set-up and integrates with standard monitoring systems for enhanced security.

Automatically manages NTFS & POSIX permissions, preserving ACL inheritance, for true collaboration. Qumulo's custom SMB, NFS, FTP and REST API are optimized and highly efficient. Qumulo's enterprise NAS protocol enables Linux, Mac & Windows users to share a common data set across both NFS and SMB.

Qumulo uses modern Agile development practices with frequent, easy-to-consume releases that steadily advance the product and keep it on the leading edge of what's possible. Qumulo also offers a direct communication channel via Slack for instant access to subject matter experts, and cloud monitoring.

Qumulo's customer success program provides responsive, personal customer care with one of the industry's highest Net Promoter Scores. Qumulo offers a direct communications channel via Slack for instant access to true subject matter expert and cloud monitoring across entire fleet (on-prem & cloud).

Your Data Where you Want it, Scaling Across On-prem, Hybrid and Public Cloud Environments

Qumulo's software-defined storage puts technology advancements into the hands of users fast. Out-of-the-box simplicity means from the moment when the HPE Apollo 4200 with Qumulo is unboxed, it can start serving data is a matter of hours, not days.

Store your data anywhere and get multiple GB/s of performance for your workloads both on- and off- prem. You get scalable performance regardless of number of files or file sizes.

Leverage continuous replication to make cloud a part of your business continuity strategy. Cloud continuity replication policies move the data where it's needed, when it's needed, operating across storage clusters, whether on-prem or in the cloud. Qumulo automatically keeps data consistent.

Use the cloud when you need it. Access compute capability not available in your data center. Leverage applications, as well as AI and ML capabilities, hosted in the cloud. Easily collaborate with users around the world.

Use the exact same software for on-prem scale-out NAS and in hybrid cloud environments. Qumulo runs directly on AWS infrastructure. Simple subscription pricing covers all features, updates, performance enhancements and software support and the licenses are completely transferable

Eliminate Data Blindness with Real-time Visibility and Control of Storage Usage and Performance

Real-time analytics help save time and money while increasing performance, allowing admins to pinpoint problems and effectively control how storage is used while providing visibility into storage capacity usage patterns by IP address or directory path.

Instantly see usage, activity and throughput at any level of the unified directory structure, no matter how many files are in the file system. Identify problem areas and hot spots and optimize workload distribution across the file system to ensure resources are fully utilized.

Leverage real-time information via analytics to set quotas in real-time. Directory-based capacity quotas give administrators instant control over storage allocation. Capacity quotas can be applied to any directory, even nested ones. Moving a directory with a quota is easy.

All storage capacity usage, activity & throughput levels of the unified directory structure and analytics is available from the cloud-based web GUI.

Automate everything, eliminating redundant tasks! The REST API enables you to programmatically configure infrastructure, eliminate administrative tasks and automate IT management. You can import data into monitoring applications already in place.

Ultra-dense and Secure Storage Server

The HPE Apollo 4200 Gen10 server builds on years of proven leadership with an architecture even more optimized for Software-Defined Storage. Its unique design allows customers to save valuable data center space through a 2U standard rack depth chassis.

A SSD-first hybrid architecture optimizes cost and performance. You can simultaneously get the speed benefits of SSD and the economic advantages of HDD.

HPE Secure Encryption is a controller-based data-at-rest encryption technology for HPE Apollo 4200 with Qumulo that can help comply with data privacy requirements and meet compliance regulations. Included standard with all HPE Apollo 4200 Gen10 based models.

The focus on security extends from FIPS 140-2 Level 1 validated storage controllers all the way down to the system silicon level, taking full advantage of HPE innovations in firmware protection, malware detection, and firmware recovery through HPE Silicon Root of Trust technology.

HPE's Active Health System is an industry-first technology providing continuous, proactive health monitoring of over 1,600 system parameters and 100% of configuration changes. Cloud-based monitoring proactively detects potential problems including historical trend data about system usage.

Technical specifications

HPE Apollo 4200 180TB Qumulo Node

Product Number (SKU)	Q2S16A
Capacity	180 TB raw capacity
Minimum dimensions (H x W x D)	8.75 x 44.8 x 81.28 cm
Weight	40.6 kg maximum
Warranty	3-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response.

For additional technical information, available models and options, please reference the QuickSpecs

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

