HPE Solutions with Qumulo

HPE Apollo 4200 Gen10 Plus 90TB 25Gb TAA-compliant Node for Qumulo (S0D91A)

What's new

- The HPE Alletra 4110 data storage server is a dense, 1U, all-NVMe system for file workloads, offering advanced features, security, a cloud experience, performance & capacity - at an affordable price.

- Adaptive Data Protection optimizes data protection configurations as clusters grow, reclaiming storage with no user impact, resulting in better failure tolerance, storage utilization and TCO.

- Transparent Platform Refresh allows customers to replace older nodes with newer hardware without disruption to end users' workloads, and without requiring time-consuming and expensive migrations.

Overview

Together, HPE and Qumulo simplify your file 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 Solutions with Qumulo empower you to store, manage, and curate file data, at scale, to match the needs of your business.

- Integration of Qumulo software with the Varonis Security Data Platform and snapshot locking, enhances data security and protects data from being accidentally or maliciously deleted.

- New advanced support processes, with cross-company electronic case exchange, improves customer response time, shortens repair time, and eliminates delays in resolution.

Features

Scale Anywhere

Store your data anywhere - At the Edge, In the Datacenter and In the Cloud - and get up to 455 GB/s of performance for your file-based workloads on your cluster. Get scalable performance regardless of the number of files, buckets, objects, or total capacity.

With the advanced erasure coding intelligence, 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.

HPE nodes for Qumulo clusters are built on all-NVMe 1U ultra-dense HPE Alletra 4110 data storage servers, for performance-demanding workloads, and on Hybrid-NVMe 2U ultra-dense HPE Apollo 4200 Gen10 Plus data storage servers (to balance cost & performance) for active and archive workloads.

Data protection techniques include erasure coding for fast re-protect, replication, snapshots, and FIPS140-2 encryption. Replication ensures data is where it's needed - on-prem or in the cloud. Built-in security extends 'silicon to software, factory to cloud', with HPE Integrated Lights Out 6.

Access Any Way

Native SMB, NFS, S3 API, and FTP 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.

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

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, featuring access control, usage monitoring (to prevent bottlenecks), system health status and firmware management.

Both Qumulo's REST API and HPE support for the iLO Restful API are included in the solution. This allows you to programmatically manage and automate tasks, and reduce risks as well as demands on limited IT resources. It also facilitates easy import of analytics data into monitoring applications.

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

Support Flawlessly

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

Leverage HPE Tech Care Services for a range of support offerings & SLA's: Basic, Essential or Critical. Direct access to HPE product-specific specialists is offered through multiple channels that include phone, chat, automated incident logging, and HPE-moderated forums with defined response times.

Bi-weekly software releases with quarterly rollups assure that customers get features quickly and without disruption.

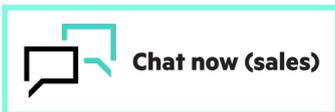## Technical specifications   HPE Apollo 4200 Gen10 Plus 90TB 25Gb TAA-compliant Node for Qumulo

Product Number	S0D91A
Capacity	90 TB raw
Host interface	25GbE SFP28
Protocol supported	NFS, SMB, S3 API, FTP
Replication support	Continuous asynchronous replication across clusters
Storage expansion options	Scale-out by adding nodes
Compatible operating systems	Windows®, UNIX®, Linux®
Management features	GUI for intuitive self management, REST API for programmatic management, built-in real-time analytics for visibility and control, directory-based capacity quotas, HPE Integrated Lights Out 5 and Active Health System.
Drive description	9x 10TB SATA LFF LP
Clustering support	4 to 200 nodes per cluster
HD type	2.4 TB of raw NVme flash capacity 9 x 10 TB 6G SATA 7.2K LFF 512e HDD
Snapshot support	Yes
Form factor (fully configured)	2U rack mount
Product dimensions	87.5 x 448.0 x 837.90 mm
Weight	30.4 kg maximum
Warranty	3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Call for availability

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