

High Performance, Scalable Storage Solution for PACS

Data lies at the core of every healthcare system. To enhance diagnoses, discover cures, and accelerate patient care, medical technologies are constantly evolving. As a result, the volume, variety, and complexity of healthcare data are growing exponentially, generated across a range of systems both on-premises and globally. Electronic Medical Records (EMR) and Electronic Health Records (EHR) capture a wealth of patient information, while vast amounts of imaging data are produced by diagnostic modalities such as MRI, CT scans, CAT scans, and X-rays, all managed through Picture Archiving and Communication Systems (PACS).

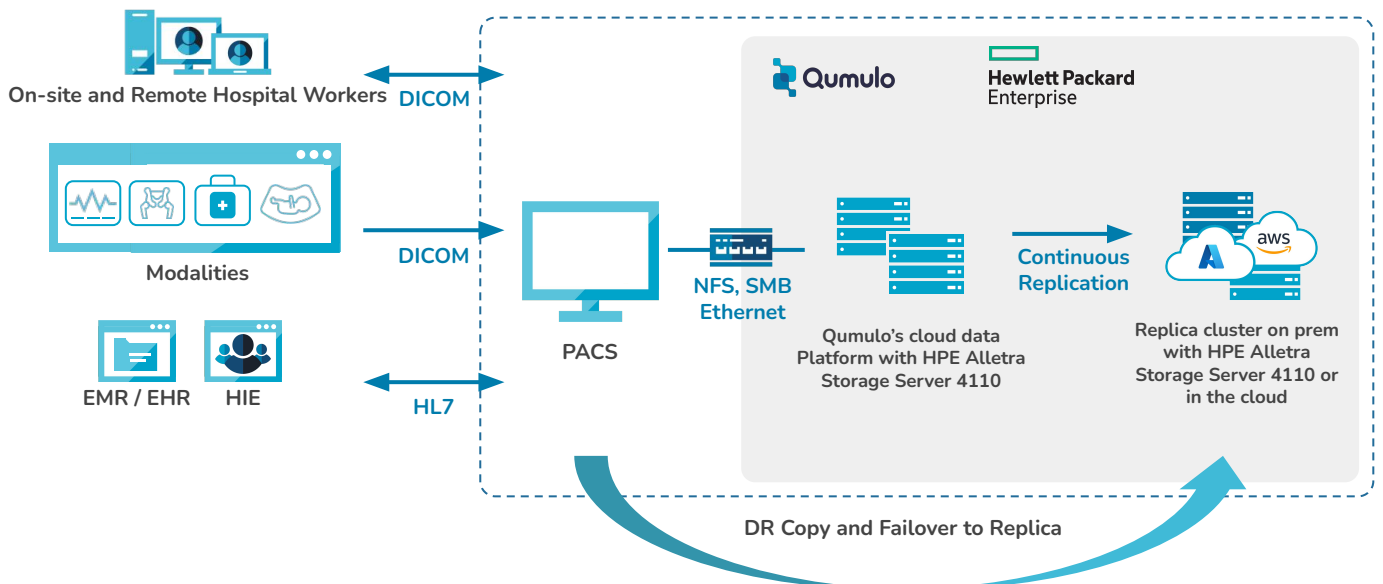
A proven single-tier storage solution for PACS

Healthcare organizations require cost-effective, secure storage solutions to host data volumes that can range from 10TB to hundreds of petabytes, generated by medical imaging modalities and electronic health records systems. Qumulo's innovative hybrid-cloud file storage, running on a range of platforms including HPE Apollo 4200 Gen10 Plus Server and HPE Alletra Storage Server 4110, offers a unified, scalable architecture designed to meet the accessibility, security, and efficiency needs of healthcare providers. Together, Qumulo and HPE deliver a single-tier storage solution that scales seamlessly across on-premises data centers while enabling smooth transitions to cloud environments. Leveraging flash-first technology, this solution provides an ultra-fast, patient-centric infrastructure that accelerates care delivery and reduces administrative costs.

Seamless, high-speed access to all imaging data

Qumulo and HPE's PACS storage solution is easy to deploy, manage, and scale. With Qumulo's single namespace, healthcare organizations can streamline access to all data, simplifying management while reducing costs. Supporting both NFS and SMB protocols, Qumulo's file storage integrates seamlessly with existing network clients and fits naturally into healthcare environments. The solution's flash-first hybrid architecture, coupled with intelligent predictive caching, optimizes both performance and cost. Viewing stations, whether on-premises or remote, benefit from lightning-fast access to imaging data using solid-state drives (SSD), while infrequently accessed data is stored more cost-effectively on hard disk drives (HDD).

Qumulo with HPE single-tier file storage for PACS



Hewlett Packard Enterprise

SOLUTION BENEFITS

- Integrated with HPE's industry-leading data storage servers— choose from budget-friendly S-XL Hybrid NVMe nodes or all-NVMe nodes that handle even the most demanding of enterprise needs.
- Single-tier hybrid cloud file storage solution for PACS
- Fast, flash-first data access
- Near 100% storage efficiency with no performance compromise
- Continuous replication on-prem or to the cloud
- Data protection, security, and real-time analytics to manage entire file system
- World-class customer success
- Proven solution with leading PACS providers: Change Healthcare, FujiFilm, Merge/IBM Watson Health, Philips Healthcare, Agfa, Sectra, Hyland Acuo
- Consume as-a-service with HPE GreenLake Flex Solutions