

High performance, scalable storage solution for PACS from Qumulo and HPE

Data is at the heart of every healthcare system. In an effort to improve diagnoses, find cures, and speed patient services, medical technologies are continuously evolving. The quantities, types, and sizes of the resulting data is continuously growing, and it is produced across various systems both on-prem and across various geographic regions. Electronic Medical Records (EMR) and Electronic Health Records (EHR) systems produce countless patient medical records, while massive amounts of imaging content is created by many different modalities such as MRI, CAT, CT, and X-rays and managed by Picture Archiving and Communication Systems (PACS).

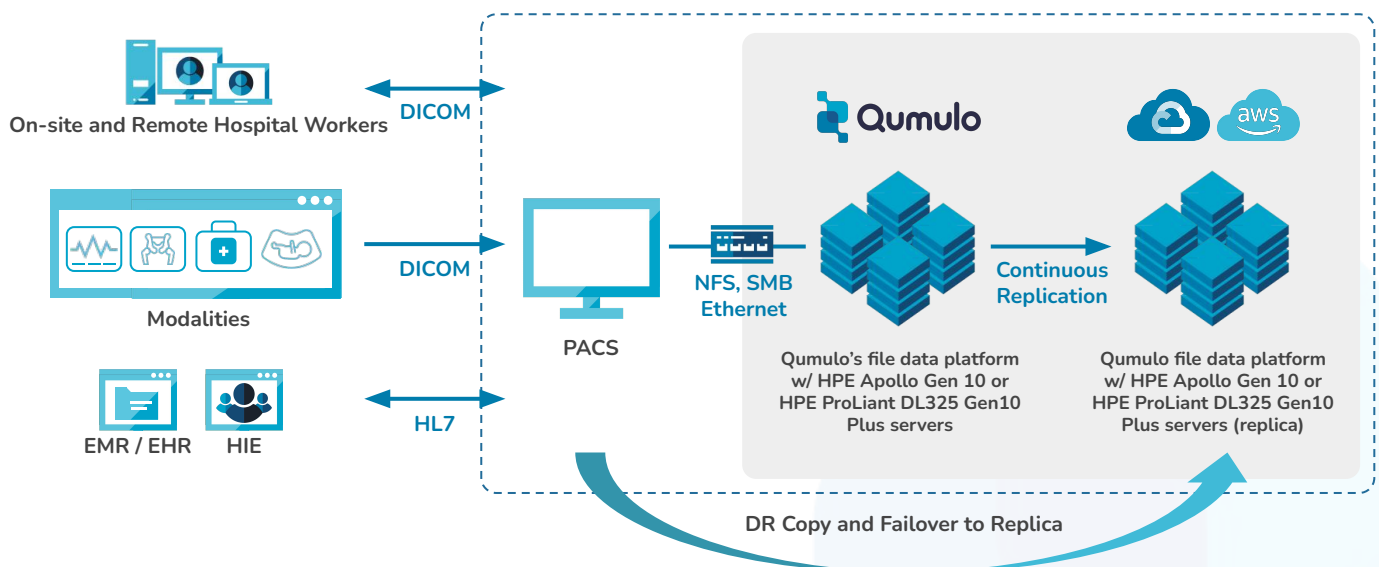
Qumulo and HPE deliver a proven single-tier storage solution for PACS

Healthcare organizations today require cost effective, secure storage to support data volumes ranging from 10TB up to hundreds of petabytes of data generated by medical modalities and medical records systems today. Qumulo's innovative hybrid cloud file storage, running on a variety of platforms from the HPE Apollo 4200 Gen 10 Plus servers and the HPE ProLiant DL325 Gen10 Plus servers provides a unified, cost effective, and scalable storage architecture that meets the accessibility, security, and efficiencies requirements for healthcare organizations. Together, Qumulo and HPE provide a single-tier file storage solution that can scale across on-prem data centers, while also seamlessly transitioning to cloud environments. With the use of flash-first technology, this solution provides an extremely fast, patient-centric architecture that accelerates patient services and minimizes administrative costs.

Unified fast access to all imaging data

The Qumulo and HPE PACS storage solution is simple to deploy, manage, and scale. With Qumulo's single namespace, healthcare organizations can unify access to all data, while simplifying and reducing the cost of data management. Accessible through NFS and SMB protocols, Qumulo's file storage fits perfectly into healthcare environments and integrates with existing network clients. Flash-first hybrid architecture and intelligent predictive caching optimizes performance and cost for healthcare organizations. Viewing stations, either on-prem or at remote sites, can count on extremely fast access to all imaging data with the speed solid state drives (SSD), while the data that is not actively accessed is stored on more economical hard disk drives (HDD).

Qumulo with HPE Single-Tier File Storage for PACS



Hewlett Packard Enterprise

Solution Benefits

- Achieve performance and efficiency with the all new hybrid-NVMe built on the HPE Apollo 4200 Gen 10 Plus
- Single-tier hybrid cloud file storage solution for PACS
- Fast flash-first data access
- Easy to deploy and manage
- Simple scalability to manage rapid growth
- Maximum file storage efficiencies
- Continuous replication on-prem or to the cloud
- Data protection and security for all data
- Speed overall patient experience
- 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