PURESTORAGE®
Uncomplicate Data Storage, Forever

Adventist
HealthCare

About Customer

Founded in 1907, Adventist HealthCare is one of the longest serving healthcare systems in the Washington, D.C., region. Delivering comprehensive care at over 50 locations, Adventist HealthCare's mission is to extend God's care through the ministry of physical, mental, and spiritual healing.
www.adventisthealthcare.com

Geo
North America

Industry
Healthcare

Solution Area
Accelerate Core Applications
Modernize Data Protection

Pure Storage®
Products in Use
FlashBlade//S™
FlashArray//X™
Evergreen//Forever™
Pure1®

Adventist HealthCare Heals its Imaging Workflows

Known for their expertise in cardiology, maternity, orthopedics, and mental health, Adventist HealthCare's healthcare professionals deliver high-quality care across Maryland. As a non-profit organization, Adventist HealthCare is also committed to minimizing its IT costs and reinvesting resources into the healthcare system.

When the cache storage behind its Picture Archiving and Communications System (PACS) began to experience performance issues, Adventist HealthCare rearchitected the solution to leverage Pure Storage. In addition to gaining speed, stability, and security, Adventist HealthCare cut costs and complexity from its storage infrastructure as it eyes future growth.

Quality Healthcare Powered by Quality Data

Adventist HealthCare is one of the oldest healthcare systems in Maryland and has experienced increased growth the last several years. In an environment where every second matters, the underlying technology supporting critical healthcare systems must keep pace with growth.

> "Our PACS storage directly influences our ability to save lives, so when the cache started experiencing errors it created confusion. That all stopped as soon as we switched to Pure Storage."
>
> **JOSH OTTEN**, DIRECTOR OF IT & SOLUTIONS ENGINEERING, ADVENTIST HEALTHCARE

Impact on Adventist HealthCare

Brings speed and stability to life-saving PACS environment

Accelerates radiology workflows to treat patients in emergencies

Cuts data center footprint by up to two thirds, trimming costs

Challenges

Legacy cache storage would fail frequently, delaying diagnoses

Lean IT team had no bandwidth to drive growth and add to their workloads

Risk of cyberthreats required fast, stable, and secure data backups

Results

Easily stores 40TB of critical imaging data, with room to grow

Gains storage speed, stability, and power without the management overhead

Restores data rapidly for continuous patient care in case of cyber attack

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For example, imaging plays a key role in heart attack and stroke diagnoses and recovery. The ability to pull up prior patient images to make quick comparisons within the "golden hour" of an episode greatly increases the chance of patient recovery. So, when the cache storage supporting Adventist HealthCare's PACS environment slowed down, there was no time to waste in finding a more dependable and performant storage solution.

Speeding Image Retrieval

Adventist HealthCare replaced the cache storage for radiology and cardiology PACS with Pure Storage FlashBlade//S. With 40TB of imaging data and workflows supported by fast, reliable, and scalable storage, medical staff across the health system can access patient images without disruption.

"Our PACS storage directly influences our ability to save lives, so when the cache started experiencing errors it created confusion," says Josh Otten, director of IT and solutions engineering. "That all stopped as soon as we switched to Pure Storage."

Adventist HealthCare also uses Pure Storage FlashArray//X for its block storage workloads. These include endoscopy workflows and Microsoft SQL Server databases, which it also backs up on FlashBlade//S. Pure1 provides visibility across all arrays and provides the insight and flexibility to manage recovery time objectives.

Peace of Mind for The Long Term

The lean IT team can now support growth more easily without adding to their management overhead.

Adventist HealthCare has also reduced its colocation data center footprint by up to two thirds, reducing costs. A Pure Storage Evergreen//Forever subscription, combined with Evergreen® architecture, drives costs down further by eliminating forklift upgrades and downtime that used to disrupt care continuity.

In the face of rising cyberthreats, SafeMode™ Snapshots—a feature delivered via Evergreen//Forever—are a key component of the data protection strategy at Adventist HealthCare.

"The ability to secure and restore our data from backups quickly is critical given what is at stake for our patients," says Otten. "The cost-savings, performance, and peace of mind we've gained with Pure are a testament to the technology and its potential to help us achieve our goals."

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