

Azure NetApp Files DELIVERS FOR HEALTHCARE'S MOST PRESSING CHALLENGES

Is your infrastructure ready for the data explosion and AI transformation?



HEALTHCARE GENERATES 30% OF THE WORLD'S DATA—AN UNPRECEDENTED VOLUME DRIVING URGENT INFRASTRUCTURE CHALLENGES.¹

THE PROBLEM

Healthcare providers face a perfect storm: exploding data from electronic health records, medical imaging, telemedicine, and AI-driven diagnostics is overwhelming legacy infrastructure. Clinician burnout worsens as inefficient systems slow workflows. Meanwhile, cyberattacks surged 136% in 2024, with breaches like Change Healthcare exposing sensitive patient data. Regulatory demands (HIPAA, GDPR) require secure, always-on access to patient information.

Traditional data centers can't keep up—performance bottlenecks, limited scalability, and rising costs hinder care delivery. Providers need agile, compliant solutions that support hybrid cloud, virtual desktops, and AI workloads without sacrificing speed or security.

THE SOLUTION

Azure NetApp Files modernizes healthcare infrastructure with HIPAA-compliant, enterprise-grade storage delivering submillisecond latency and built-in data protection. Seamlessly integrated with Azure, Azure NetApp Files supports VDI, VMware, and AI workloads at scale.

With cost-efficient tiering, instant snapshots, and advanced replication, Azure NetApp Files reduces operational burden, enables hybrid work, and safeguards critical data, empowering providers to accelerate digital health and improve patient care.



54% OF U.S. HOSPITAL CFOs REPORTED POSITIVE MARGINS
meaning **nearly half** were still running unprofitably. Struggling hospitals faced between -4% and -19%.²

Azure NetApp Files delivers secure, scalable, high-performance cloud storage for healthcare providers.

It enables cost-effective digital transformation while supporting compliance, workforce agility, and AI-driven innovation.

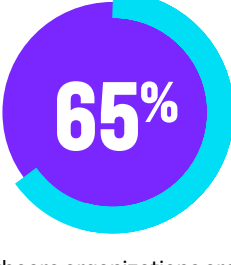
The cloud performance edge for healthcare IT

Azure NetApp Files delivers enterprise-grade cloud infrastructure to power mission-critical healthcare workloads.

- 1** **Enterprise data protection & compliance**
Built-in snapshots, replication, and high availability support HIPAA compliance, privacy, and data resilience.
- 2** **High performance at scale**
Up to 826,000 IOPS with submillisecond latency to handle demanding workloads like VDI and real-time collaboration.
- 3** **Scalable file storage**
Elastic scaling up to 2PiB per volume for growing datasets, user profiles, and collaborative file shares.
- 4** **Hybrid flexibility**
Supports both on-premises and cloud-based workloads for seamless transitions and disaster recovery preparedness.
- 5** **Cost optimization**
Intelligent tiering automates storage management, reducing costs by up to 65%.
- 6** **Native Azure integration**
Fully managed, Azure-native experience accelerates time to value and simplifies operations.

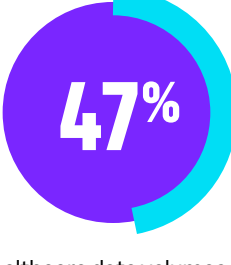
The move to the cloud

Healthcare's digital transformation is accelerating.



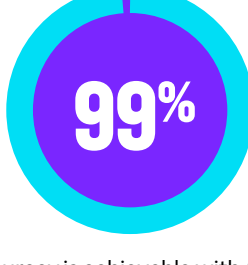
65% of healthcare organizations are prioritizing upgrades to revenue cycle management systems, often turning to cloud-based automation to streamline operations.

Source: [Commerce Healthcare](#)



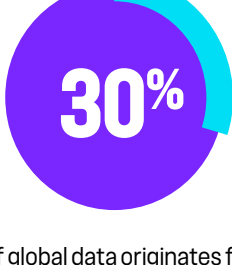
Healthcare data volumes are increasing by 47% annually, far outpacing most other industries.

Source: [RBC Capital Markets](#)



99.9% accuracy is achievable with AI-powered claims automation, eliminating human error, and standardizing workflows for faster reimbursements and stronger compliance.

Source: [AI in Claims Processing: How Automation Improves Accuracy](#)



30% of global data originates from healthcare; this volume is projected to reach 175 zettabytes by 2025.

Source: [RBC Capital Markets](#)



82% of hospital leaders cite workforce shortages as their top concern, with many turning to technology—including cloud solutions—to alleviate clinical and administrative burdens.

Source: [Commerce Healthcare](#)

Azure NetApp Files empowers critical healthcare workloads



Virtual desktop infrastructure (VDI)

- Supports Citrix and Microsoft for secure, remote clinician access.
- Handles boot storms with IOPSS, ensuring responsive performance



Azure VMware Solution (AVS)

- Seamlessly migrates VMware workloads with minimal disruption
- Reduces storage TCO by integrating with high-performing Azure NetApp Files volumes



General purpose file shares

- Unified access to clinical and administrative data across on-premises and cloud environments
- Streamlines collaboration and operational workflows



AI/GenAI initiatives

- Supports lightweight domain-specific AI models for ambient listening and claims processing
- Enables fast access to training data, boosts productivity, and reduces administrative burden

Baptist Health lowers VMware storage costs with Azure NetApp Files

By migrating its VMware workloads to Azure and leveraging Azure NetApp Files, Baptist Health streamlined infrastructure, cut costs, and improved performance. With Azure NetApp Files, the provider enhanced resilience and simplified management—freeing up resources to focus on patient care.

[Read the story >](#)



Additional resources

- [St. Luke's empowers clinical efficiency with Azure NetApp File >](#)
- [Architecture best practices for Azure NetApp Files >](#)
- [Unleashing the potential of generative AI in healthcare >](#)

¹ RBC Capital Markets, *The healthcare data explosion*.
² Commerce Healthcare, *Healthcare Finance Trends for 2024: An Updated Look*, August 30, 2024.