

SOLUTION BRIEF

# NetApp solutions for healthcare

Delivering healthcare  
has changed. Managing  
your data is more crucial  
than ever before.



A large research university uses a data fabric powered by NetApp to support and automate high-performance computing applications across global teams at industry-leading chargeback costs. The data fabric allows the university to scale services up and down on demand.



#### **When business as usual is anything but**

For more than 25 years, NetApp has helped hospitals, universities, and research institutions around the world develop and manage data in unique ways. Public healthcare and research organizations are struggling to keep citizens safe and educated while implementing new policies, procedures, and research to stay ahead of the changing situation. And many hospitals are trying to balance overwhelming demand for certain services with significant revenue shortfalls due to decreased demand for “elective services.”

Many healthcare and research organizations have quickly expanded their applications in the cloud to support basic work from home (WFH) services, increase capacity for research computing, and deliver a new wave of telehealth services.

However, many of these organizations have not had time to fully assess the security and cost requirements for long-term support of the WFH pandemic response, telehealth, and digital business operations. And, complicating matters, they’re also experiencing performance issues that negatively impact users’ ability to get their jobs done.

Nevertheless, organizations must continue to focus on developing digital systems, tools, and processes to deliver nondisruptive business operations, support critical care, and meet massive research data and compute requirements, in the face of uncertain reimbursements and budgetary constraints.

#### **What is a data fabric?**

A data fabric is an architecture and a set of data services that provide consistent capabilities across a choice of endpoints that span on-premises and multiple cloud environments.

A data fabric enabled by NetApp simplifies data management across the hybrid cloud—with a consistent look and feel across on-premises and cloud environments—to accelerate digital

transformation. It delivers integrated hybrid cloud data services for data visibility and insights, data access and control, and data protection and security.

Our assessment services healthcare solutions team can help you build and optimize your data fabric. To learn more, contact your account team.

A large public hospital provider took part in a NetApp Storage Service Design Workshop that resulted in a data management solution designed with automated tiering that reduced total data storage costs by more than 20%, while reducing storage footprint by more than 50%.



### **Optimize for Today, Prepare for the Future**

NetApp can help. For more than 25 years, NetApp has helped hospitals, universities, and research institutions in the United States and around the world develop and manage data in unique ways. We provide solutions and services to help you securely scale telehealth, high-performance computing and analytics, and remote working environments up—or down—on your premises or in the cloud.

We can help you build a data fabric that simplifies how you manage, move, and protect data, wherever it resides. Only NetApp partners with all three of the world's biggest cloud providers—AWS, Microsoft Azure, and Google Cloud—to create a unified data management solution from your data center to the cloud of your choice. Industry-leading partnerships and proven, integrated solutions help reduce risk, accelerate deployment, simplify management, and lower TCO.

### **Improve Data Security**

Never have healthcare and research organizations had to change so dramatically, so quickly. In response to the pandemic, hospitals and research organizations are looking to the cloud to support basic WFH

and telehealth services and to power crucial medical research. These applications hold massive amounts of sensitive personal data that must be protected from unauthorized access.

Now is the time to evaluate your long-term plan for delivering these services securely at scale. Our healthcare solutions team can help assess where you are today and how you can take advantage of the NetApp® portfolio of solutions to improve the security of your data. Additional benefits include improved application performance and lower TCO. Integrated security features reduce vulnerability to cyberattacks and ransomware, maintaining the security and privacy of your data wherever it resides—on your premises or in the cloud.

### **Increase Application Performance**

Increased strain on remote work and telehealth platforms can cause performance issues that hinder your ability to deliver critical care, research, and administrative services.

Given uncertain budgetary constraints, organizations must develop digital systems, tools, and processes

A large healthcare customer leverages NetApp OnCommand® Insight to conduct proactive capacity planning and cost management across their environment. Insight has allowed this healthcare customer a 35% decrease in annual capital storage costs and 17% in operating costs.



to deliver the performance that users need without disruption—to deliver data at the right place, at the right time, to make the right decisions.

NetApp can help improve your application performance by deploying all-flash technology and harnessing software-based data efficiencies. Whether your application is on your premises, resides in the cloud, or is available as a service, NetApp has solutions that deliver high performance at scale for your application end users.

#### **Control Costs in the Cloud**

Although public cloud solutions can offer immediate access with no up-front capital investment, the long-term cost of storing data and applications in the cloud can quickly spiral out of control, putting extra strain on already uncertain budgets.

Leveraging 25 years of innovation, NetApp solutions can help simplify and automate data management to improve IT economics, both on your premises and in the cloud. Built-in efficiencies such as data deduplication and compression can help lower your annual storage costs by up to 35% and reduce your storage footprint by 50% or more.

#### **Get Started Quickly**

NetApp virtual desktop solutions support on-premises, cloud, and hybrid architectures to address immediate requirements. We can get involved now to help you optimize your current WFH platforms to improve performance while lowering costs.

You can quickly build and deploy secure, public cloud-based workspaces. Azure NetApp Files and NetApp Cloud Volumes Service help you manage Windows Virtual Desktop and other shared storage resources across cloud vendors and regions so that applications perform consistently for physicians, staff, and researchers.

FlexPod® virtual desktop infrastructure (VDI) includes all the components you need to deliver virtual desktops, applications, and even full research lab environments. Simple and secure, FlexPod VDI lets you start small and then scale to support unpredictable growth.

NetApp HCI is a hybrid cloud infrastructure that supports more complex environments, including those that require remote access to high-performance computing environments and 3D applications. You can mix, match, and scale storage and compute resources



to meet the needs of all users. You can also run virtual desktops, 3D applications, and other workloads side by side with industry-leading performance.

#### Next steps

- Visit our [Remote Work resources page](#)
- Visit our [Telehealth resources page](#)
- [Learn about our solutions for AI and deep learning](#)
- [Explore NetApp cloud data services](#)
- [Try Azure NetApp Files](#)
- Contact your NetApp sales representative about a Storage Service Design Workshop

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#### About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere. [www.netapp.com](http://www.netapp.com)

