



## Solution Brief

# Hybrid Cloud for Healthcare

Reduce costs and complexity of managing medical images and clinical data

### Key Benefits

#### Easily Manage Data

The unified NetApp® hybrid cloud infrastructure securely stores and manages large volumes of sensitive data and images throughout the lifecycle, on the premises or off-site.

#### Avoid Cloud Lock-In

Retain control of your data and where it resides. You choose the cloud provider, with the agility to move data between clouds.

#### Make Sure of Privacy and Security

Comply with government and institutional data privacy and security regulations with multiple built-in security options, including encryption at rest and in transit.

#### Rein in Costs

NetApp easily supports terabytes to petabytes of enterprise, clinical, and medical imaging records while reducing the time it takes to perform routine administrative tasks. Provide high-quality patient care and manage tight budgets.

### Successfully Managing Clinical Data in the Cloud

Selecting the right storage solution is a strategic decision that contributes to successfully deploying cloud solutions. No longer is data locked away on devices hidden behind firewalls or stored in basements within institution walls. Instead, data is becoming distributed, dynamic, and diverse, stored in multiple locations on the premises and in secure cloud locations.

The NetApp Data Fabric simplifies and integrates data management across storage environments, delivering a solution that is secure, efficient, and future-proof and provides freedom of choice. Leverage NetApp on your preferred cloud solution to:

- Effectively handle exponential data growth
- Reduce operational and data storage costs
- Improve operational efficiencies
- Manage limited budgets with archiving and disaster recovery solutions
- Increase speed to market with new medical services

Large volumes of sensitive data can now be securely stored and easily managed throughout the data's lifecycle as defined in retention policies to maintain compliance with regulations.

“To see our data securely stored off site in its original format and that we have quick access to it when needed is actually kind of amazing, especially when the user doesn't even notice it's located somewhere else.”

Director of Information Technology  
Broadstone Memorial Hospital

### Streamline Medical Imaging Management

Existing storage infrastructures are challenged by the volume, size, and growing number of departments that create imaging objects. The NetApp Data Fabric enables cloud-based storage and management, allowing you to embrace the cloud on your terms by integrating on-premises enterprise-class data management and control with the flexibility, speed, and economies of cloud. Adhere to internal, HIPAA, and HITECH security policies and requirements and promote innovation and IT responsiveness in medical image management.

### Monitor Data, Discover Savings

Today's integrated hybrid cloud solutions from NetApp offer tremendous opportunity to uncover cost savings, reduce capital expenditures, and freely move and control data on the premises, in the cloud, and anywhere in between.

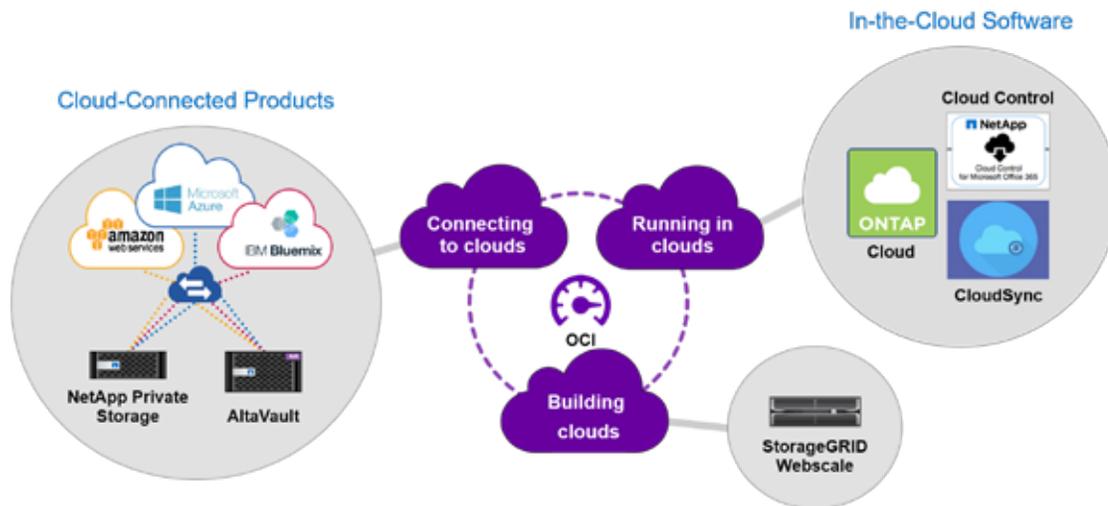


Figure 1) NetApp Data Fabric Cloud portfolio. Adopt cloud at your own pace with the freedom to securely manage and move data between locations and environments.

“The savings we’re realizing are helping us direct more time and money into patient care, and that’s what our business is all about.”

Assistant Director of Network Services  
Inland Northwest Health Services/Engage

NetApp OnCommand® Insight is a software tool that enables infrastructure monitoring to optimize asset management. Track data usage and cloud costs and use OnCommand Insight for chargeback and showback tasks for internal or constituent usage.

### Confidence and Control, Today and Tomorrow

With NetApp, healthcare institutions have the ability to take advantage of the benefits of cloud today, with the agility to leverage new providers and services as they become available. The cloud services market is evolving, as will the features and pricing available to cloud users.

Today, NetApp has partnered with multiple industry-leading cloud providers to create a robust offering beyond data storage and management. Through integration with trusted backup, public, and private cloud providers, including NetApp Private Storage, your institution can utilize the cloud to accelerate workloads and analytics, deliver data insights and control, and leverage DevOps with improved performance and efficiency.

You control where your data resides, with the freedom to move from provider to provider if desired, and the ability to take advantage of new developments in this dynamic marketplace.

### Protect Data Anywhere, All on One Platform

NetApp ONTAP® software offers a single storage and data management platform that enables unrestricted, secure movement of data across storage environments, including cloud. With ONTAP, you benefit from:

- **A universal data platform.** Start with a private cloud and evolve to a hybrid cloud environment. NetApp ONTAP is the world’s #1 branded storage operating system. With a hybrid cloud, you retain the proven storage efficiency, availability, and scalability of Data ONTAP®.
- **Dynamic data portability.** Boost IT efficiency and avoid vendor lock-in with integrated data transport for the dynamic movement of data and workloads across any cloud resources.
- **Extensive choice.** To facilitate the move to public cloud services, NetApp has developed a global network of world-class service provider partners who deliver a comprehensive portfolio of cloud services built on NetApp technology.
- **Nondisruptive operations.** Transparently migrate data and network connections. By easily distributing data across the cluster at any time, you can retain access even during updates and technology refreshes.
- **On-demand flexibility.** Start small and grow incrementally with infinite scaling by using a single unified architecture to keep pace with changing data requirements.

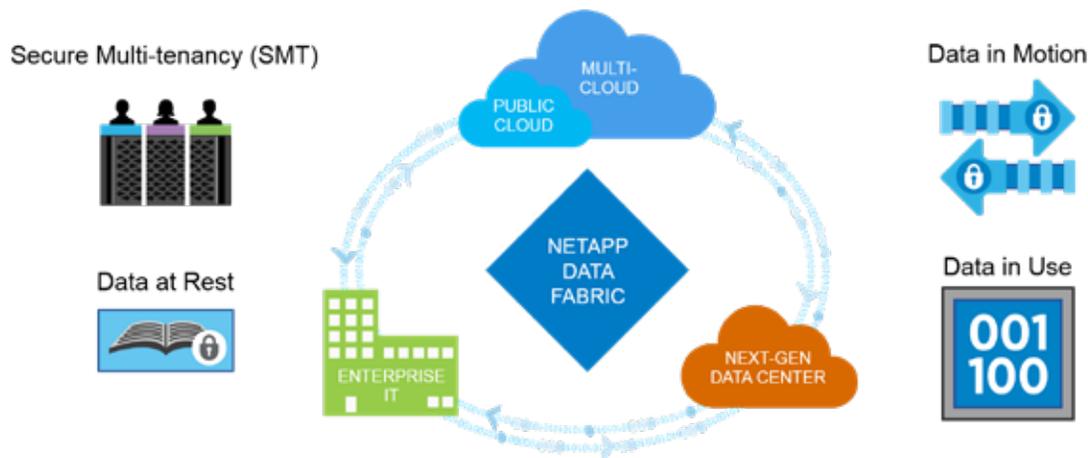


Figure 2) Secure your data wherever it resides. We safeguard data across the entire lifecycle, leveraging built-in security features, including encryption at rest and in transit.

### Secure and Streamline Backup and Restore

NetApp makes it smooth and easy to back up and restore your clinical and enterprise data to the cloud. Replace traditional tape backup with a modern, cloud-integrated solution to:

- Reduce your risk of data loss
- Recover from anywhere
- Lower your costs compared to traditional methods
- Leverage your existing backup software investment

“Our backup service makes it easy to check off all the boxes for meaningful use and HIPAA regulations compliance, including encryption and off-site copies.”

Assistant Director of Network Services  
Inland Northwest Health Services/Engage

Cloud backup also offers additional advantages that minimize disruption while maximizing efficiency. Reduce tape or disk management overhead and error-prone, time-consuming manual tasks, thereby freeing up valuable IT resources for other projects.

### Healthcare Organizations Rely on NetApp for Cloud Solutions

Nearly 40 hospitals rely on Inland Northwest Health Services’ technology division, Engage, for hosting services to manage and protect their electronic health records data. NetApp AltaVault™ cloud-integrated storage made it easy to say yes to cloud. Effortless integration with existing backup software and automated, hands-off management mean Engage and hospital IT teams can focus more time on mission-enhancing projects, and a growing roster of customers are confidently beginning their journey to cloud.

Mercy Health System implemented a private cloud infrastructure and now delivers a unified platform for Epic across its 33 hospitals and has achieved its goal of 99.9% availability. To meet auditing and compliance requirements, the company also provides a secure multitenancy environment that isolates and provides a firewall for each hospital’s data.

### Summary

NetApp hybrid cloud solutions are designed to support your journey to higher quality patient care and to more cost-effective IT solutions and services. Wherever your healthcare institution is today, the NetApp hybrid cloud gives you a path forward to greater control, agility, and cost efficiency. Through a combination of on-premises and cloud solutions, you can seamlessly and simply manage data, delivering information and enabling the insights that lead to better patient care.

### About NetApp

NetApp is the data authority for hybrid cloud. We provide a full range of hybrid cloud data services that simplify management of applications and data across cloud and on-premises environments to accelerate digital transformation. Together with our partners, we empower global organizations to unleash the full potential of their data to expand customer touchpoints, foster greater innovation and optimize their operations. For more information, visit [www.netapp.com](http://www.netapp.com). #DataDriven

