



A holistic approach to ensuring you can manage and protect your **MEDITECH** environment

Pure Storage[®], BridgeHead Software, and AWS



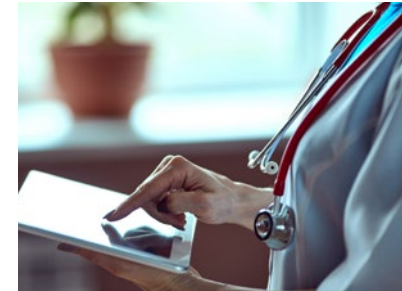
INTRODUCTION

KEEP YOUR HOSPITAL RUNNING WITH CONSTANT ACCESS TO EHR DATA

Electronic Health Records (EHRs) are the backbone of every hospital. These systems are used for scheduling, registration, orders, prescriptions, diagnosis and treatment plans, billing, and more. Maintaining constant access to your EHR is critical to running a hospital and allowing clinicians to care for patients. When your system is down, your hospital must be able to restore its data. Getting back up to speed quickly is essential—from both a patient safety and revenue standpoint.

Yet in today's landscape, healthcare workers are juggling multiple tasks a day, and similarly, the IT departments that keep EHRs protected are equally constrained. And there are other factors, from hackers to natural disasters, to consider. The last thing your healthcare IT team should be worrying about is backing up data or getting hacked with a subsequent ransom request. Instead, you need to ensure that your data is accessible—and that your hospital keeps running.

That's where Pure Storage, BridgeHead Software, Healthcare Triangle, and Amazon Web Services (AWS) come in. Just like in your hospital, which has individual and specialized areas of expertise that come together to offer holistic care for patients, so too does this joint IT solution for your EHR. In this e-Book, we'll explore a combined solution that is designed to help your MEDITECH facility simplify backup, stay ahead of hackers, and recover your data in case of disaster.



- **Efficient, always-on backups**
- **Protection against data loss**
- **Scalable, predictable, always up-to-date infrastructure**

THE NET RESULT:

A secure IT department and no loss of patient data.

STILL USING OLD TECHNOLOGY FOR DATA BACKUP BUT CONSIDERING A MOVE TO THE CLOUD?

Not all MEDITECH sites are up to date on hardware or software requirements, which makes it difficult to maintain regularly scheduled backups of the system. If your hospital is still using ten-year-old servers, old tape drives to store data, and operating systems that are no longer supported, you may find it hard to keep up.

While older technologies can be a resilient form of backup, they are not scalable nor immune to risk. Backing up on old technology can add time to the recovery process because restores must fall back to a last viable update point—but may result in days, weeks, or months of data that needs to be re-entered manually.¹

Even if your organization is using cloud technologies, such as snapshotting data to Amazon Simple Storage Service (Amazon S3) for storage, you may be only a few steps away from legacy backup solutions because the processes and procedures are largely the same as storing in an on-premises facility and do not fully utilize the capability of the cloud.



No downtime is required for storage updates and upgrades with the joint solution from Pure Storage, BridgeHead Software, and AWS. The solution is always running and backing up your data.

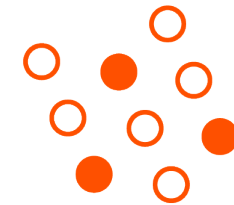
¹ [Planning for Data Backup, Recovery in Health IT Infrastructure](#), Health IT Infrastructure, February 16, 2018

CAN YOU SURVIVE AN ATTACK FROM HACKERS?

A ransomware attack recently caused an outage at a large health system. Systems used for medical records, laboratories, and pharmacies were offline for several days. Fortunately, no patients were harmed.²

This is not a stand-alone case. Over the last few years, the healthcare industry has been under increased attack from hackers who deny access to the system until a ransom is paid. Patient records sell on the dark web for upwards of \$1,000 per record to hackers.³

If a hacker takes over your hospital's system, the reality is your hospital may have to turn away patients. When you lose data, you lose time and revenue as well as potentially putting patients' lives in peril. This of course negatively impacts patient safety as well as the reputation of your hospital.



The joint solution from Pure Storage, BridgeHead Software, and AWS helps you restore data in a safe, secure, efficient manner—so your clinicians can focus on caring for patients.

² [Mounting Ransomware Attacks Morph Into a Deadly Concern](#), The Wall Street Journal, September 30, 2020

³ [Patient medical records sell for \\$1K on dark web](#), Becker's Healthcare, February 20, 2019

WORRIED ABOUT THE RESILIENCE OF YOUR DATA AND EHR?

Sometimes natural disasters strike. Storms, earthquakes, and fires make it difficult for hospitals to get their EHR back online, and during the period of no backups, medical records are especially vulnerable. Natural disasters can also render physical backups, such as tapes and servers, useless.

It is essential for your organization to have infrastructure and tools that enable you to recover your data—such as from cloud storage—in order to return to normal business operations.



With the joint solution from Pure Storage, BridgeHead Software, and AWS, you always have access to your MEDITECH environment and records.

PROTECT YOUR MEDITECH DATA

Learn about the technology working together to provide holistic care for your data and MEDITECH environment.

Pure Storage's Backup-as-a-Service™ (BaaS) solution enables rapid restoration of your data. FlashArray™ storage infrastructure uses flash memory drives. Pure Cloud Block Store™ is the connecting piece that allows the extension into AWS and enables sites to get on-premises levels of de-duplication and compression.

Amazon Web Services (AWS) is the infrastructure in which data resides. AWS enables you to run MEDITECH in a disaster situation when your systems are down. Amazon Elastic Compute Cloud (Amazon EC2) and Amazon S3 are the compute and storage services, respectively, running on the cloud.

BridgeHead Software is a healthcare data management company that offers solutions to backup systems used within hospitals like yours. BridgeHead Software is a MEDITECH certified backup solution that can handle data storage. BridgeHead Software leverages the unique Pure Storage replication and de-duplication capabilities to efficiently capture snapshots of data through time. The joint capabilities provide your hospital with a resilient way of ensuring your data is securely protected from inadvertent data loss or malicious hackers. The solution can be deployed both on-site and on the cloud. Deploying to the cloud ensures hospitals like yours can readily access your data from a secondary location outside of your main facility and eliminates the costs associated with redundant tape copies on-site. In the event of a natural disaster, system takeover, or system failure, you have the ability to run MEDITECH and access your data on the cloud via this disaster recovery (DR) solution.

Healthcare Triangle focuses on helping healthcare and life sciences organizations like yours to securely leverage the public cloud for managing highly regulated healthcare data. As an AWS Premier Consulting Partner, Healthcare Triangle provides the ability for your organization to leverage AWS as a recovery platform where MEDITECH can be rapidly spun up to continue operations.



Pure Storage, BridgeHead Software, Healthcare Triangle, and AWS have teamed up to offer backup/restore and disaster recovery (DR) solutions for MEDITECH EHRs like yours. The partnership yields reliable, affordable, and efficient backup as a service (BaaS), restore, and DR solutions that help ensure you can back up MEDITECH system data and continue to run MEDITECH in a disaster situation when your systems are down. The solution gives your MEDITECH hospital the tools to replicate data from one site to another immediately—without additional licensing or cost. It gives your IT team—whether you have two or twenty people on staff—the visibility they need to get your systems back up and running as quickly as possible.

CONTACT US



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