

BridgeHead MediSafe™

Comprehensive Data Protection For Healthcare Organizations

Faced with exponential data growth and failing traditional backup tools, hospitals are looking for a scalable, future-proof, healthcare specific data protection solution enabling a robust recovery strategy for clinical and administrative systems and data. BH MediSafe® is the answer.

KEY BENEFITS

- ▶ *Protects your growing healthcare data across operating systems whether files, email, databases and applications – clinical or administrative*
- ▶ *Uses a combination of secured archiving and enhanced backup to provide the best protection appropriate to your data*
- ▶ *Optimizes data protection by reducing the primary backup by around 80%*
- ▶ *Offers efficient and speedy recovery of systems or individual files in the event of outage, corruption, loss or disaster*
- ▶ *Web-based restore wizard for speedy and convenient remote systems recovery*

Healthcare data protection is essential

- ▶ Struggling to complete backups of your hospital's systems? Are you forced to choose which data to secure in light of shrinking backup windows?
- ▶ When did you last test your recovery plan? Are you confident you could quickly restore key systems and to the right point in time?
- ▶ Spending time restoring files from corruption or accidental deletion by users? Can you restore quickly at the file-level or do you have to do a full system restore first?

Hospitals are experiencing vast data growth from Electronic Healthcare Records (EHRs), the move to 'paperless' offices, the massive upsurge in the creation of high fidelity clinical images and the increased use of tools such as email and spreadsheets. Consequently, it is proving increasingly difficult to implement a comprehensive, working and cost effective data backup and recovery strategy. A recent survey* found that data protection was top of the list of priorities for healthcare IT.

The right way to secure healthcare data

BridgeHead MediSafe™ uses a combination of secured archiving and enhanced backup to provide an efficient, economic way to manage your hospital's data protection needs with easy to use tools for quick recovery in the event of systems outage, loss, corruption or disaster.

Analyze – understanding your data is key

BH MediSafe® undertakes a thorough analysis of your hospital's data to help you fully understand its make-up, characteristics and differences. Only then can you employ new strategies to better manage and protect healthcare content cost effectively and with less administrative burden.

Optimize – reduce backup times

The analysis is likely to show that around 80% of a hospital's data is static [i.e. older than 13 months] with only a 2% chance of ever being accessed again. And applying generic backup processes to such data [e.g. compression and de-duplication] has limited application. Furthermore, it makes no sense

to repeatedly back up unchanging data, placing unnecessary strain on the system. BH MediSafe's Backup Optimization moves static data away from the primary backup into a self-protecting archive. This means that traditional backup only needs to be applied to 20% of working, dynamic data – dramatically speeding up the process, ensuring completion, and allowing more frequent backups.

Protect – safeguarding healthcare data

The BH MediSafe archive fully protects static content by automatically creating multiple copies of the data as it is written. These copies can be geo-dispersed onto storage targets such as disk, tape, optical or Cloud, giving hospitals full disaster recovery capability. In addition, the BH MediSafe archive provides built-in, industry-grade encryption and authentication.

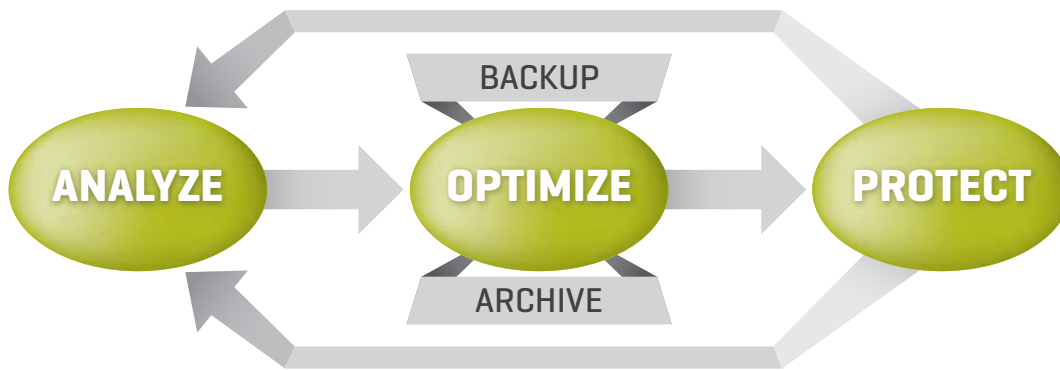
The remaining transactional, dynamic data can be protected with BH MediSafe's comprehensive backup functionality. From rapid disk-based snapshots and built-in replication capabilities for speedy single system recovery, to standard incremental backups to tape for lower cost protection of less volatile systems, BH MediSafe can be configured to apply the most appropriate backup methods based on the criticality of the data and your Recovery Point Objectives [RPO] and Recovery Time Objectives [RTO]. BH MediSafe also has the ability to backup and recover systems and data across operating systems [e.g. Windows, Linux, Unix], databases [e.g. Oracle, SQL], file and print servers, email [e.g. Microsoft Exchange, Lotus Domino], SharePoint – the list goes on. BH MediSafe also works with VMware VADP, integrating with vCenter and vMotion, for agentless, incremental image and file-level backups. Plus BH MediSafe can interface with SAN devices, leveraging their inherent data protection capabilities.

It's all about recovery

Backup is of no use without recovery. BH MediSafe ensures that in times of stress, healthcare IT professionals can fully restore a hospital's systems and data quickly and efficiently either through the central management console or remotely via the web-based restore wizard.

* BridgeHead Software International
2010 Data Management Healthcare
Survey [may add a link to report]

BH MediSafe allows hospitals to Analyze, Optimize, then Protect their healthcare data as best befits its characteristics based on policy decisions such as age and usage.



Key features of BH MediSafe

- ✓ Unique to BH MediSafe, Backup Optimization offers the ability to identify and move static content out of the backup stream, leaving primary applications unaffected
- ✓ Backup Optimization allows you to tier backup activities and pay more attention to your most critical applications or data
- ✓ Static data can be stored in multiple geographic locations, on different storage technologies, to ensure resilience against outage, loss, corruption or disaster
- ✓ Uses a unique distributed catalogue for no single point of failure and no processing bottlenecks
- ✓ Web-based restore console for effective and efficient remote recovery of servers and applications
- ✓ Web-based restore utilities available for user self-service recovery of single items
- ✓ Operating Systems supported include: Windows 32 & 64 bit XP / Vista / 7 / 2003 / 2008; Linux 32 & 64 bit; Novell Netware; Solaris / Open VMS / HP UX / IBM AIX / SCO;
- ✓ Enterprise Applications supported include: Microsoft SQL / Exchange / SharePoint / MOSS; Oracle; IBM Lotus; SAP
- ✓ VMware vSphere VADP Certified
- ✓ Supports backup standard interfaces: VSS; NDMP
- ✓ Storage devices supported include: LTO3/4/5 tapes including full media management; LTO-4/5 encryption with key management; UDO optical disk; backup to disk via CIFS / FTP / NFS (including DTD2T); Iron Mountain DRCMI/VFS; Data Domain; and IBM TSM
- ✓ BH MediSafe can leverage facilities from your existing SAN infrastructure to improve protection [e.g. tight integration with SAN-based snapshots]
- ✓ Offers flexibility and scalability – powerful enough for large hospitals, but with the ease of use needed by smaller organizations
- ✓ Full scripting facilities for custom integration and management activities
- ✓ Integrated reporting



BridgeHead Software, the Healthcare Storage Virtualization [HSV] company, offers a scalable, future-proof platform to overcome rising data volumes and increasing storage costs while delivering peace of mind around the access, availability and protection of critical electronic patient data.

Trusted by more than 1,000 hospitals worldwide, BridgeHead Software solves healthcare organizations' backup, recovery and archiving challenges. BridgeHead's HSV solutions are designed to operate with any hospital's chosen software applications and storage hardware, regardless of vendor. This presents healthcare organizations with more choice, flexibility and control over the way data is accessed, protected and managed. The net effect – better utilization of hardware resources and, more importantly, the efficient distribution, availability and use of vital healthcare data.

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For more information on how BridgeHead Software can help lower the cost and administrative burden of managing your healthcare data, contact us at: info@bridgeheadsoftware.com or visit us at www.bridgeheadsoftware.com