

BridgeHead PACStore™

Enterprise Data Management For Lowering The Storage Costs Of PACS Medical Image Data

BH PACStore® provides healthcare organizations with a breakthrough in effective management of DICOM images. Integrated into your existing PACS environment, BH PACStore helps you to lower the costs associated with storing DICOM images, meet compliancy requirements and provide business continuity of image access in the event of local failures and site disasters.

KEY BENEFITS

- ▶ Lower costs by consolidating storage for all your DICOM data in a single repository
- ▶ Simplify operations by combining management of primary and archival PACS storage
- ▶ Simplify migration tasks by enabling multiple PACS applications to have common access to DICOM images in the repository
- ▶ Ensure business continuity of DICOM images in the event of local failures and site disasters
- ▶ Reduce the cost of preserving DICOM images indefinitely

Simplify PACS use with a single point of access

BridgeHead PACStore™ establishes a central repository for all PACS applications in a Hospital Information System [HIS]. This enables all of your PACS applications to work together, enabling access to any DICOM image in the repository from any system. So, clinical users have wider, immediate access to any image. This also enables migration from one PACS application to the next, speeding and simplifying the associated administration tasks. BH PACStore® is validated with PACS applications from Agfa, GE Medical, Fuji, Sectra, Siemens and others.

Ensure continued access to DICOM images

The DICOM images stored in the BH PACStore repository can be maintained in multiple geographic locations at the same time, preserving the images in the event of local disk failures and site disasters. DICOM images in the repository are available for non-diagnostic remote viewing using the BH PACStore web-based DICOM viewing portal. This full-featured portal provides immediate access to DICOM images even when the primary PACS system is unavailable. PACStore Web Access enables you to grant search and viewing access to clinicians wherever they are located.

Alleviate costs of storing and preserving DICOM images

The central repository uses tiered storage to deliver cost savings. Active-archive of DICOM images from primary to secondary storage effectively frees space and extends the life of your more expensive, higher performing devices. Active-archive can also remove older items to offline storage devices for indefinite preservation on the most cost effective media possible.

Lower the burden of meeting compliance requirements

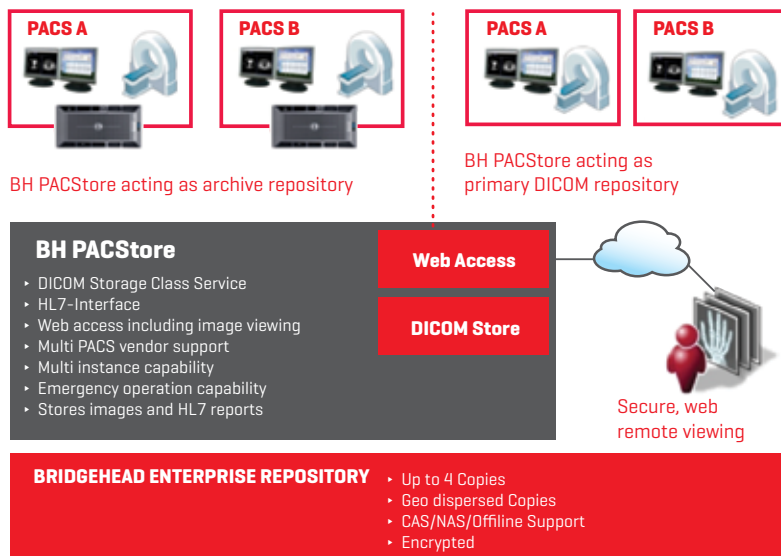
BH PACStore makes it easier for you to meet compliance requirements and lowers your associated administrative burden. The transparent management of DICOM images across tiered storage makes it simple to include WORM storage devices for compliant data preservation. Policy-based management enables administrators to adhere consistently to regulations and guidelines for retaining different types of data for different periods across the entire repository; for example, retaining all mammography studies for seven years. BH PACStore can also be used in combination with other BridgeHead software to manage DICOM images together with scanned documents and email to preserve the entire electronic patient record.

How it works

BH PACStore provides software that integrates directly into your healthcare management systems using DICOM for data transfer and HL7 for change requests and status updates. BH PACStore consists of two main elements – the DICOM Storage Server repository and the Web Access viewing module.

The BH PACStore DICOM Storage Server comes fully equipped to enable efficient image management, serving all of your PACS data in your hospital system environment. This allows multiple PACS applications from different manufacturers to store data in a central repository. Using proven BridgeHead archiving capabilities, up to four copies of content can be created and managed. Each archive copy can be stored using different tiered storage systems across different geographic locations. The BH PACStore Web Access Module allows search of and access to DICOM data that is held within the Storage Server repository, even when the main clinical viewers or PACS are unavailable.

BH PACStore provides a central repository for DICOM images serving multiple PACS application environments, to lower storage costs while preserving images with immediate viewing access.



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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Key features of BH PACStore DICOM Storage Server

- ✓ DICOM Storage Server
- ✓ HL7 interface to your HIS [for example, Patient Merge actions]
- ✓ Policy-based engine sends data to logical repositories
- ✓ Intelligent pre-fetch of data to recall relevant prior studies, if required
- ✓ Simultaneous support for multiple PACS applications
- ✓ Isolated storage groups for increased security and improved uptime because each group can operate independently
- ✓ Tiered storage support of a wide variety of devices including disk, tape and WORM
- ✓ Management of up to four copies of each DICOM image
- ✓ Management of DICOM images and storage devices across geographic locations
- ✓ Encryption support
- ✓ Policy-based retention management

Key features of BH PACStore Web Access

- ✓ Web browser viewing access to DICOM images stored in the repository
- ✓ Full search capabilities
- ✓ Supports 8-bit and 16-bit gray-scale images
- ✓ Supports 24-bit RGB images
- ✓ Real-time contrast levelling
- ✓ View capabilities include flip, rotate, mirror and image inversion
- ✓ View capabilities include pan, move and zoom image
- ✓ Cinemode support
- ✓ Export DICOM image at client browser side
- ✓ Based on Microsoft platform
- ✓ Internal PACStore security can work alongside IIS security [for example, SSL or domain authentication]

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