



# BH 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 DICOM images through 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 through local failures and site disasters*
- » *Reduce the cost of preserving DICOM images indefinitely*

## Simplify PACS Use with a Single Point of Access

BH 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 PACS system. 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 Business Continuity of DICOM Images through Local Failures and Site Disasters

The DICOM images stored in the BH PACStore repository can be maintained in multiple geographic locations at the same time, preserving the images through 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 advantages. Active-archive of DICOM images from primary storage devices to secondary devices within the repository, frees primary storage space and effectively extends the life of 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 policies 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 BH software to manage DICOM images together with scanned documents and email, to preserve the entire electronic patient record.

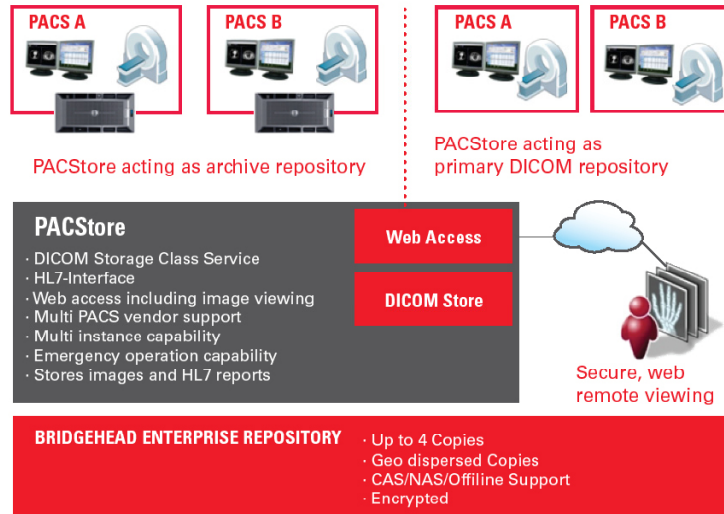
## How it Works

BH PACStore is a software system which 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, which are the DICOM Storage Server repository and the Web Access viewing module.

The BH PACStore DICOM Storage Server comes fully equipped to enable efficient DICOM 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, and can be stored in different geographic locations.

The 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 Systems 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*



### Key Features of BH PACStore DICOM Storage Server

- » DICOM Storage Server
- » HL7 interface to your HCIS (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 management of archive retention

### 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 Enterprise Data Management can lower the cost and administrative burden of managing your data, contact us at: [info@bridgeheadsoftware.com](mailto:info@bridgeheadsoftware.com)**

**Or visit us at [bridgeheadsoftware.com](http://bridgeheadsoftware.com)**

#### UK

BridgeHead Software Ltd.  
BridgeHead House  
215 Barnett Wood Lane  
Ashted Surrey KT21 2DF  
+44 (0) 1372 - 221950  
+44 (0) 1372 - 221977 fax

#### USA

BridgeHead Software, Inc.  
400 West Cummings Park  
Suite 6050  
Woburn, MA 01801  
+1 - 781 - 939 - 0780  
+1 - 781 - 939 - 5607 fax

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