

# Laurel Bridge Software: Migration Success Story #1

A multi-national medical archive manufacturer had sold an enterprise archive PACS solution to a large military installation in the western part of the U.S. The old existing archive was an end-of-life GE system, which used a Macintosh front-end computer to provide a DICOM communication interface to its archive. The archive contained approximately 7TB of compressed data (estimated by the end user to be ~10 TB uncompressed); all of the old data was intended to be moved to the new archive system.

The archive vendor had agreed to migrate the historical data; however, their existing migration tool had not been able to manage the migration task. After having moved some volume of data, it would repeatedly crash the Mac front-end computer by overrunning it with requests. Their tool had no way of recording what records had moved. They had no way of controlling the speed of requests. They also had no way of automatically retrying failed moves, which, as it turned out, was most of the time.



The customer was unhappy, threatening to cancel the PACS sale and bring in a new vendor. Laurel Bridge Software (LBS) was called in to provide tools to manage the migration and attempt to salvage the sale and customer relationship.

LBS installed the Laurel Bridge Migration Controller (LBMC), and within the first 24 hours of operation had moved as much data as had been moved over the previous three months. In addition, the tool retained



an electronic record of all studies which moved (or failed to move). Before the radiologists would begin to use the new enterprise PACS in place of the existing system, it was necessary to move a sufficient quantity of relevant priors (e.g., 90 days worth) to the destination. Reaching that threshold, the radiologists were able to begin using the new PACS. Once started, LBMC has relentlessly moved studies, on a 24/7 basis, as fast as the old archive can produce them. Technical

personnel on-site now monitor the migration progress about once a week. The tool has a user-configurable reporting mechanism which allows reports to be generated in summary or detailed format, and then output in Excel or in plain text formats.

Using its unique hour-by-hour scheduling features, the LBMC is now completing the migration without any negative imposition on the network or on either the old or the new archives. The end-use customer and the PACS vendor are thrilled with the reliability and performance of the system. On one occasion, a RAID drive on the destination failed, and a group of studies were lost from the destination. The tool's tracking database permitted the simple reselection of the lost studies, allowing them to then be re-migrated with a few key strokes.

By bringing in the Laurel Bridge migration tools to manage this archive migration, the PACS vendor was able to save the data, save the sale of their new PACS, and save their relationship with the end user.

Laurel Bridge Software, Inc. (LBS) is a Delaware-based corporation, specializing in providing software tools and utilities to professional software developers, especially in areas related to networking and controlling medical devices. These areas include DICOM connectivity, medical imaging, radiological device control, RIS/HIS networking, and PACS archive migration tools and services.

## For further information:

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