

Reliable, robust, and easy-to-use DICOM® software applications, tools, utilities, and services that assist the medical imaging community in the management and support of DICOM networks and in the design and development of medical imaging software and devices.



LAUREL BRIDGE

Everything DICOM

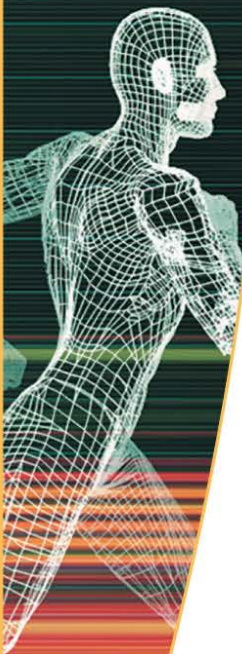
Design
Test
Integrate
Deploy
Migrate



Laurel Bridge Software

Exodus
Compass
Switchboard
Mercury
DCF
PowerTools

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Products (See descriptions on back.)

EXODUS™	Migration of DICOM PACS Archives
COMPASS™	Router and Tag Morphing for DICOM Store Jobs
SWITCHBOARD™	DICOM Inline Message Routing and Tag Morphing for all SOPs
DCF™	DICOM SDK/Toolkit for Windows & Linux: 32/64 Bit, C#.Net / Java / C++
POWERTOOLS™	Standalone Suite of DICOM Utilities and Tools for Testing & Debugging
MERCURY™	DICOM Archive—Custom Development Solution only

Services

Design and Development

- Application Design, Development, Implementation, Testing, and Support
- Requirements and Specification Definition
- FDA-compliant Processes
- Project Planning and Strategic Consulting
- Project Management

DICOM Software Testing

- Custom Integration & Testing Services
- Designed and Configured to Customer Requirements
- DICOM Conformance Testing and Validation

Representative Customers

Alcon Research	DR Systems	Mobile X-Ray Imaging	Skagit Radiology
AltaPACS	Epic Imaging	NightHawk Radiology	SourceCorp
AGFA Healthcare	Faxitron X-Ray	North Memorial Hospital	St. Jude Medical
Bon Secours Health	Hologic	Northwest Radiology	TeleMammo Specialists
Bristol-Meyers Squibb	Imaging Solutions (AU)	Panasonic	U.S. Air Force
Catholic Health Initiative	Imaging Specialists	Quantum Radiology	VA-Veterans Affairs
Codonic	Intermountain Healthcare	Radia	Vancouver Island Health
Dell/InSite One	Kowa Optimed	Radisphere	Virtual Radiologic
Digisonics	Marshfield Clinic	Siemens Medical	Viztek

The DCF also supports the DICONDE, DICOS and veterinary customizations for utilizing DICOM.

DICONDE - Digital Imaging and Communication in Nondestructive Evaluation

DICOS - Digital Communication in Security

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Exodus™

Migration of DICOM PACS Archives

- Provides the ability to Assess, Plan, Migrate and Validate a DICOM archive migration.
- Provides automated facilities and services for migration of studies, series and SOP instance data from one DICOM 3.0 compatible physical archive to another.
- Supervises and schedules the migration activities.
- Provides exception processing and error handling.
- Provides automated multi-level validation & reporting of migrated data.
- Records history, log and performance statistics.
- Supports Modality Worklist (MWL) access to enable on-demand, pre-fetching of priors in priority mode.
- Site-specific mapping and/or alteration of DICOM elements—dataset filtering and tag-morphing.
- Assessment Tool version available for single and multi-use.

Switchboard™

DICOM Inline Message Routing and Tag Morphing

- Functions as an intermediate node between DICOM clients and servers. Runs on either Windows or Linux.
- Allows the user to route, monitor, log, filter and convert DICOM datasets during DICOM network communications.
- Allows the movement of incompatible datasets through rule based correction of dataset elements in real-time.
- Facilitates interconnection of incompatible DICOM devices, with support for transfer syntax and compression changes.
- Web-based GUI for configuration, control and monitoring.
- Designed primarily for network or PACS administrators, developers, field service engineers, migration specialists, or anyone responsible for integrating DICOM devices.

DCF™ - DICOM CONNECTIVITY FRAMEWORK

DICOM SDK: Windows / Linux, 32/64 Bit, C# / Java / C++

- Advanced, object-oriented, component-based software framework implementation of the DICOM protocol.
- Supports comprehensive, managed software development support for Windows and Linux environments.
- Provides robust, portable, high-performance, native implementations of DICOM for C#, Java® and C++.
- Uses simple yet powerful Application Programming Interfaces (APIs) to accelerate application development.
- Does not require detailed knowledge of DICOM protocols.
- Includes PowerTools—a rich set of utilities for support of development, testing, and validation.
- Supports the DICONDE, DICOS and veterinary variations.

Compass™

Store and Forward Router for DICOM Store Jobs

- Provides powerful scheduling, filtering and routing, including DICOM tag content-based routing.
- Allows dynamic tag morphing to correct errant tags.
- Stores to multiple destinations, such as an archive and a viewing station, without modality repeatedly resending data.
- Enables transfer syntax and compression alteration.
- Optionally holds in-bound studies until manually dispositioned or automatically scheduled.
- Optionally combines studies received on multiple associations into a single outbound store job.
- Facilitates the interconnection of otherwise incompatible DICOM devices, including support for transfer syntax changes.
- Enables Throughput Optimization Protocol Service (TOPS) to improve transmission performance when used in conjunction with another Compass application.
- Includes a viewer for images and DICOM headers.

Mercury™

Custom Developed DICOM Archive Solutions

- Robust, fully functional core platform for building a custom DICOM Store archive.
- Suitable for building a departmental archive, store and forward cache, or simply a temporary archive.
- Can be the basis for your custom archive solution for any persistent datasets you have or receive.
- Facilitates importation of DICOM datasets from a variety of sources.
- Supports DICOM Query/Retrieve (Q/R) functionality.
- Provides fully configurable DICOM features.
- Custom solutions are available, requires DCF Toolkit.

POWERTOOLS™

Standalone Suite of DICOM Utilities

- Collection of standalone suite of DICOM clients, servers and Windows®-based utility applications.
- Facilitates diagnosis, testing, and repair of DICOM communication problems.
- Provides for the viewing, editing, repair, or creation of DICOM data sets and their contents.
- May be used independently or scripted into a variety of test situations.
- Suitable for use by PACS administrators, integration engineers, system testers, software developers, field service technicians, and others who routinely work with DICOM.

