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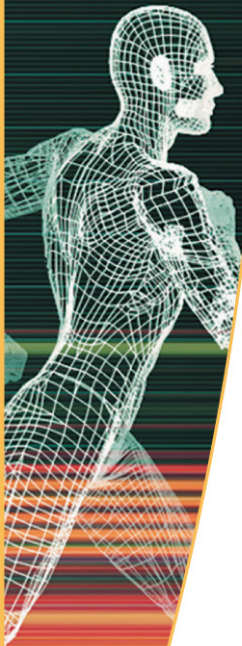
DICOM® PROBLEMS?

Integrating,
testing,
deploying systems?



PowerTools™
DICOM
TESTING,
FILTERING,
& CONNECTIVITY
UTILITIES

WWW.LAURELBRIDGE.COM



A suite of tools designed for the testing, troubleshooting, or debugging of applications that use DICOM® communications, PowerTools also provides for the viewing, repair, or creation of DICOM data sets and their contents.

Designed for use by PACS administrators, integration engineers, system testers, software developers, field service technicians, and others who work with the DICOM protocol and related data on a daily or intermittent basis, PowerTools belongs in your toolbox.

Provided as both GUI-based and command-line-based applications, PowerTools are standalone Windows® applications that may be used independently or scripted into a variety of situations where the capabilities provided are needed.

What problems and tasks do you typically face?

Do you need to manipulate DICOM files?

- View and edit the contents of a DICOM file.
- Apply filters to a DICOM file or collection of DICOM files.
- Create a sample DICOM file in a particular transfer syntax.
- Convert a DICOM image file to a JPEG image or PDF document.
- Print the contents of a dataset to a DICOM printer.
- Diagnose problems with a DICOM dataset.
- Look up meanings for tag, element, and UID values.

Do you need to manage DICOM communications?

- Send a DICOM dataset to a DICOM store server.
- Log the DICOM communication with a client or server.
- Stress-test a DICOM store server by sending it auto-generated data.
- Query a PACS for particular DICOM data.
- Send a DICOM C-Move request to a PACS.
- Send a verification message (echo, ping) to a DICOM device.
- Run a DICOM client server (echo, store, query, MWL, etc.) to test your own application or device for connectivity or functionality.

Harness the power and capabilities of the Laurel Bridge Software's premier DICOM SDK with PowerTools' easy to use applications.

These tools and utilities provide the ability to transmit, receive, or edit DICOM medical data.

Viewing functions provided by PowerTools are not intended for diagnostic use.

Available Jan. 2010.

MOVING FORWARD?
MOVE YOUR DATA WITH INTEGRITY
MOVE WITH LAUREL BRIDGE

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POWERTOOLS™ Include:

DICOM UTILITIES

- DICOM File Editor
 - View, edit, modify the contents of a DICOM dataset/file
 - Includes a simple DICOM image viewer for testing, diagnosis, and development
 - Save image pixel data in another format
 - Apply filters to a DICOM dataset or a collection of such DICOM files
- DICOMDIR Creator
 - Create DICOM media from a directory of DICOM datasets on disk
- DICOM Filter
 - Create, store and retrieve complex user-defined filters for modifying DICOM datasets.
 - Apply filters to one or more datasets in an automated way.
- Dictionary Finder
 - Look up information from the DICOM data dictionary, including values and meanings for tags, elements, and UIDs
- DICOM Converter
 - DICOM to an alternate format: DICOM to JPEG, DICOM to PDF, etc.
- Image Generator
 - A pattern generator that can create DICOM datasets/files for testing purposes
- Media Creator
 - Create DICOM media (DICOMDIR) from data on disk
- Study Series Generator
 - Automatically generates studies and/or series
 - Option the send these to a destination device or save to the file system

DICOM CLIENTS (SCUs) AND SERVERS (SCPs)

- Store Client and Server
- Verification Client and Server
- Query Client and Server
- Modality Worklist Client and Server
- Store Commitment Client and Server
- Print Client

COMING FEATURES

- Print Server
 - Emulates a printer and allows viewing of the data received by the application; application does not actually print data
- Print-to-PACS
 - Allows you to store various non- DICOM content into a DICOM dataset.
 - JPEG to DICOM
 - PDF to DICOM (Encapsulated PDF)
 - MS WordDoc to DICOM secondary capture image or encapsulated PDF
- DICOM Indexer
 - Assists you in categorizing your repository of test data, creates a spreadsheet-based index of selected DICOM elements found in datasets residing in a directory hierarchy of DICOM datasets
- IOD Validator and Study-Series Validator
 - Validates the contents of a dataset, study, or series against the requirements found in the DICOM standard

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