

Configurable solutions to synchronize and manage clinical imaging workflows

Automate your imaging processes to ensure the availability of images and related data when and where needed.

Imaging Workflows

Create efficient and effective workflows that support clinical needs

- Automate routing of medical images, reports, and HL7 messages
- Provide modality worklist services for reliable digital order data
- Ingest, transform, share, pre-fetch, and deliver medical images
- Automate AI workflows: identify, fetch, anonymize, and deliver current and prior studies to the AI algorithms, and reidentify AI result documents

Consolidation Strategies

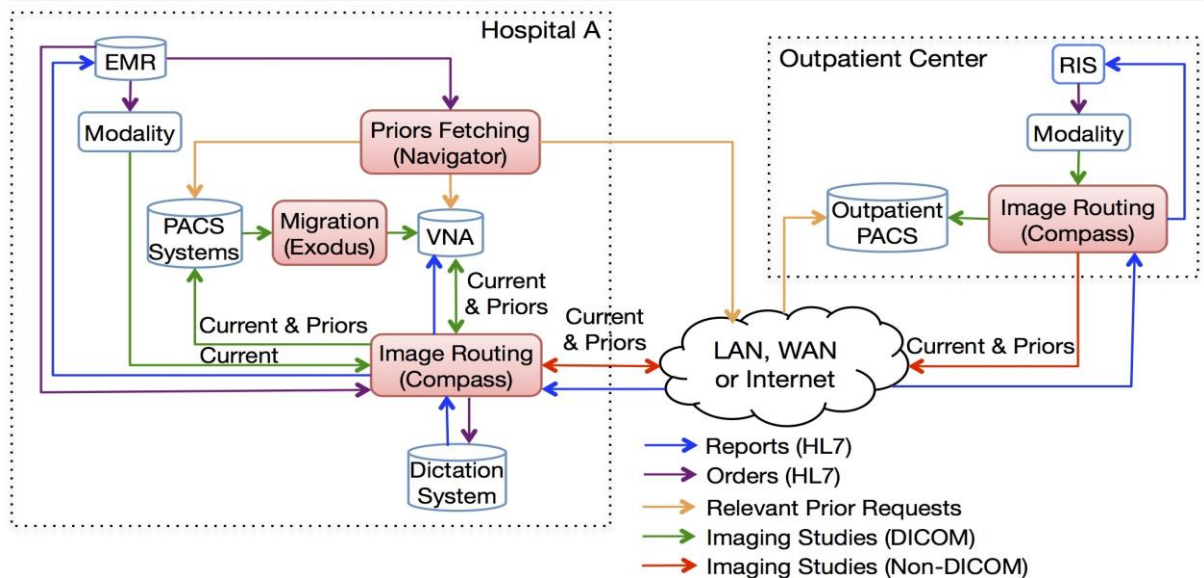
Simplify and manage the workflow challenges of facility consolidation, PACS migration, and VNA implementation

- Analyze and automate the migration, normalization, and validation of studies and study data – on demand or ahead of time
- Reliably and accurately move from one image archive to another

Customized solutions including:

AI Workflows, Dictation Integration, Study De-identification, Post-processing Workflows

Software solutions that integrate disparate PACS / VNA environments and clinical IT systems



Representative Customers – American Radiology • Austin Radiology • Avera Heart • Baylor Health • Bon Secours Health • Bristol-Meyers Squibb • Bryan Health • Camosun College • Candescent Health • Catholic Health (CHI) • Change Healthcare • Children’s Hospital • Epic Imaging • Freeport Health • Good Samaritan Hospital • Guthrie Health • HCA • Houston Methodist • Intelrad • Intermountain Healthcare • Island Health (VIHA) • Karmanos Cancer Institute • Maine Medical Center • Marshfield Clinic • Mass General Brigham • Mayo Clinic • IBM (Merge/DR Systems) • Methodist Hospital –Dallas • Mission Health • NHS Trust (UK) • North Kansas City Hospital Norton Healthcare • Northwest Radiology • Ohio Health • Ohio State University • Peace Health • Penn State Hershey Hospital • Quantum Radiology • Queensland Health (AU) • Radia • RAPA – Little Rock • Renaissance Imaging (RIMA) • St. Paul Radiology • ARS • SwedishAmerican • TeleMammo Specialists • Texas Health Resources • UCSF • UNC Healthcare • Unity Health System • U of Michigan • U of West Virginia • VA-Dept. of Veterans Affairs • Yale Univ. •••

Plus many OEM users

Compass™ • Navigator™ • Waypoint™ • Lighthouse™ • Beacon™ • Exodus™ • DCF™ • PowerTools™

Imaging Workflow Solutions

Integrate and customize LBS application components to create powerful solutions to automate your imaging workflow needs.

- Implement secure ingestion and distribution of studies
- Retrieve and share relevant priors
- Monitor, log, filter, and convert imaging data
- Support disparate clinical and enterprise imaging systems

Compass™ - Routing Workflow Manager

- Create site-specific workflows supporting interoperability of otherwise incompatible modalities, systems, and workflows
- Automate tag morphing and data cleanup via EMPI or DMWL
- Automate distribution of DICOM, non-DICOM, and HL7 files to multiple reading, archiving, and post-processing locations
- Automate provisioning of AI & ML integrations & workflows
- Improve radiology department productivity and clinical report accuracy by automatically including DICOM SR fields, measurement, and dose data in the radiologist's report
- Implement teleradiology workflows based on time-of-day, sub-specialty, and/or location
- Automate seamless, cloud-based communication between DICOMweb™ and legacy DICOM DIMSE-based systems

Navigator™ - Image Retrieval Workflow Manager

- Automate and prioritize retrieval of relevant prior studies, based upon user-defined criteria
- Access information residing on multiple, disparate clinical or enterprise imaging archives or VNAs
- Manage new, walk-in, or unscheduled imaging studies or reports, triggered by the Compass image router
- Include retrieved historical study information as part of an archive migration-on-demand process
- Pre-fetch DICOM and non-DICOM imaging information as part of an on-demand archive migration

Waypoint™ - Encounter & Modality Worklist Server

- Provide the correct, order-based demographic data to acquisition devices
- Consolidate and centrally manage multiple, existing modality worklists and HL7 exam order feeds
- Support all DICOM worklist-related management classes and standard HL7 message types: ADT, ORM, ORU
- Provide user-configurable mappings of order information
- Support:
 - Web-based, distributed access
 - Unlimited order feeds, unlimited modalities
 - Manual order creation for emergency/unscheduled exams
 - Manual options: add, modify, remove, mark as performed

Lighthouse™ - Central Monitoring & Management

- Centralize monitoring, management, and diagnosis of LBS enterprise imaging workflow components
- Aggregate information across the Laurel Bridge infrastructure
- Manage patient information moving across multiple devices
- View into multiple devices from a single dashboard
- Track the routing life cycle of an imaging study

Beacon™ - Enterprise Study Q/C Manager

- Fix incorrectly entered study and patient demographic data
- Centralize the identification and correction of DICOM metadata issues during study import
- Facilitate quality management of DICOM study metadata received from disparate clinical IT systems and sources

Archive Consolidation Solutions

Exodus™ - Migration Controller

- Manage DICOM archive & file import data migrations
- Automate services for migration
- Supervise, schedule, control & throttle migration activities
- Map & update DICOM elements via filtering & tag-morphing
- Automate multi-level validation & reporting for studies
- Manage pre-fetching tailored to on-demand data migrations

Development and Administrative Solutions

DCF: DICOM Connectivity Framework™ - DICOM SDK

An advanced, object-oriented collection of native software components implementing the DICOM v3.0 protocol and permitting rapid creation of DICOM software applications.

- Robust, portable, high-performance, multi-threaded, native implementations of DICOM for C#, Java® and C++
- Managed code support for Windows & Linux, 32 & 64-bit
- Object-oriented, component-based implementation
- Comprehensive SOP class & transfer syntax support
- Built-in, native compression libraries
- Simple, powerful APIs (Application Programming Interfaces)
- High level access to DICOM network protocol functions
- Pluggable common services

PowerTools™ - DICOM & HL7 Utilities

- Tools for development, testing, troubleshooting, debugging, and simulating DICOM and HL7 communications
- View, repair, or create DICOM data sets
- Support, manage, and diagnose imaging communications