

Radiology Ltd.

www.radltd.com Tucson, Arizona

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Radiology Ltd. has been providing diagnostic imaging services for over sixty years and is one of the largest physician-owned group practices in Tucson Arizona. Currently in the practice there are more than forty-five radiologists with a staff of over 450 non-physician employees. With ten locations throughout the Tucson area, Radiology Ltd. provides services that include Mammography, CT Scans, MRI Scans, PET Scans, Ultrasound, Digital Radiography, Osteoporosis Scans “DEXA”, and Interventional Radiology Services.

Customer HL7 Challenges

- Exchanging and reconciling data between applications was required for future enhanced applications, but each separate clinical system created challenges because of incompatible records and formats.
- Developing and managing each connection within the Radiology Information Systems (RIS) was very costly, and building the connections was heavily reliant on each separate vendor.
- Interconnecting multiple Picture Archiving and Communications Systems (PACS) across multiple site locations to provide seamless access to all images.
- Rising demand from separate clinics for data exchanges with Electronic Medical Records (EMRs) could not be addressed efficiently.
- Reducing annual support costs associated with maintaining multiple point-to-point interfaces to various clinical applications.
- Understanding and leveraging the HL7 standard and its flexibility to maximize the control and simplify the workflow of data throughout the imaging center operations.

Radiology Ltd. Insights

Ron Cornett is the PACS Administrator for Radiology Ltd. and is enabling their vision of imaging excellence. Ron’s insights:

“Radiology Ltd. has a commitment to implementing industry leading solutions to enhance patient care and advance our relationships with the hospitals and clinics that we serve. Connecting various internal imaging solutions as well as sharing certain clinical data externally is a clear requirement for us to continue to enhance the level of service.”

Customer Solution

- Implemented Corepoint Health Integration Engine™ as the interface engine between Radiology Ltd.’s RIS (e.g., IDX), the various PACS (e.g., Amicas), and EMRs (e.g., PacsGear).
- Corepoint Health Integration Engine:
 - Provided the existing staff with the capability to develop, test, and deploy interfaces very efficiently.
 - Delivered patient information in the desired format in a time-sensitive manner – for example, ability to label reports as “preliminary” along with the name of the testing site within two hours after patient visit.
 - Reduced reliance on larger software vendors for interface development, resulting in quicker turnaround times for new interfaces and ability to lower maintenance costs.
 - Decreased costs in the development of new interfaces – eliminated requirement for vendors to develop new interfaces and leveraged existing skills within the organization to deliver interfaces productively.
 - Eliminated manual printing, scanning, and data entry of reports from IDX system to PACSGear, streamlining the process and removing the possibility for data entry errors.
 - Enhanced interface testing capabilities by being able to selectively test messages to strengthen quality and deliver desired results.
- Attended HL7: By the Book and Beyond workshops taught by Corepoint Health.
 - Dramatically increased knowledge of HL7, implementation options, and workflow improvement ideas.
 - Gained insight for the evaluation process of interface approach and technology options.

CUSTOMER SUCCESS

As we conducted our research to find partners to assist us in meeting our objectives, we found Corepoint Health. Corepoint Health was the only company offering in-depth training on HL7 and realistic methods of how to implement the standards and its flexibility in various healthcare environments. We also discovered that Corepoint Health not only offered the best training on HL7 but had an industry leading integration engine designed specifically for healthcare.

After an extensive internal review process, we selected Corepoint Integration Engine as our interface engine solution. Throughout our engagement with Corepoint Health, their responsiveness and interest in helping us resolve our issues has been impressive. Corepoint Health is always proactive, thinking ahead to the next step and offering ideas on how to improve our interoperability between systems.

During the implementation, Corepoint Health facilitated the mapping of our application environment and offered fresh ideas on how we could improve our workflow. This process increased our understanding of how to improve our operations and accelerated the implementation schedule.

Prior to Corepoint Integration Engine, we were constrained by our systems. Gaining interfaces from our RIS was a lengthy and costly endeavor. We now have the independence to build, test, and deploy our own interfaces with increased responsiveness and at a dramatically lower cost. Even more importantly, we can deliver the results in the format that we desire and meet the requirements of healthcare providers (e.g., clinics, hospitals).

A specific outcome has been the elimination of manual data entry between our RIS and EMR systems. With Corepoint Integration Engine, we estimate to save 2–3 full-time equivalents by eliminating manual data entry, allowing us to leverage our people in more value-added activities and be more proactive in other services that we offer. Exchanging and reconciling clinical data between radiology applications (RIS, PACS, dictation), hospital systems, locations, providers, etc. is the future of medicine. With Corepoint Integration Engine, the challenges of that requirement are lowered and, quite simply, powerfully and productively enabled.

The end result of implementing Corepoint Integration Engine has been eye-opening. We now have a foundation on which to expand the exchange of clinical data between additional systems and locations, internally and externally. With Corepoint Integration Engine, we are able to offer a higher level of service to our customers (e.g., results delivered within two hours) and, as a result, we anticipate an increased number of referrals from our clients.”

About Corepoint Health

Corepoint Health has the healthcare IT experience and strength to deliver a dramatically simplified approach to internal and external data integration and health information exchange for hospitals, radiology centers, laboratories, and clinics. Our next generation software solutions are transformational and will streamline your IT environment, provide a fast track to achieving your interoperability goals, and create operational leverage within your organization. Corepoint Health's solutions achieve a needed balance of being both intuitive and sophisticated while delivering solid functionality and performance.

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