

PETLinQ and Oracle

A high-performance RIS and medical imaging application
for the Apple iPhone



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As demand grows for mobile clinical applications, PETLinQ has introduced RISLinQ-Mobile, a radiology information system (RIS) client application for the Apple iPhone. Featuring an embedded Oracle® Berkeley DB database for localized access to radiological images and other data, RISLinQ-Mobile offers unparalleled speed and performance in a lightweight, cost-effective and easy-to-use mobile application.

Full Version RISLinQ Features

HL7 Interface	Standard integration with RIS, HIS, EMR or PACS
Administration Management	Basic dashboards and management reporting
Scheduling	Standard patient registration processes
Operations	Streamlined worklist capabilities
Dictation	Standard dictation module
Transcription	Remote radiologist transcription functionality
Billing	Claims management and processing
Collections	Collection write-off and status tracking
End to End Integration	No need for 3rd party integration
Electronic Payment Posting	Full e-payment functionality
Credit Card Payment Processing	Embedded credit card processing
Embedded Fax Tracking	Advanced fax management tool
Map-based Portals	Sophisticated map-based marketing portal
Apple MAC Platform	Fully integrated RIS for both PC and MAC
Scheduling	PETLinQ algorithms for optimal patient scheduling
Multi-Lingual Chat Capability	Multi-lingual user base options included



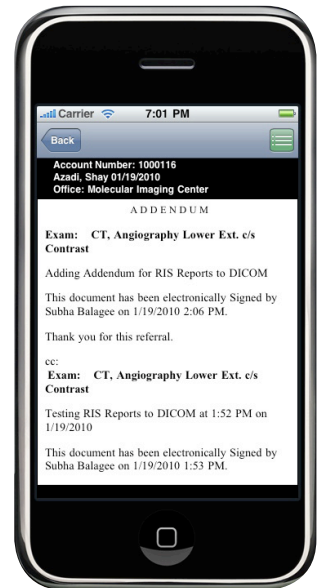
RISLinQ is a flexible, easy-to-use, web-enabled radiology practice management solution that can be tailored to the size and needs of any imaging environment. It provides a fully-featured, cost-effective alternative to RIS systems that require on-site servers, making it ideal for institutions with constrained IT budgets.

Accessed via the web and hosted and managed by PETLinQ in an ASP environment, RISLinQ provides fast, reliable and secure access to a full range of radiology practice management and workflow functions at a predictable cost, with no need to invest in on-premise software, hardware or IT administrators.

The PETLinQ suite of products currently used by institutions worldwide to manage a full range of radiological activities, from patient scheduling to image viewing and manipulation, reporting, billing and collections. It relies on Oracle Database 11g technology to handle very high transaction volumes and to ensure continuous availability and lightning-fast performance even at times of heavy use.

Enabling Mobile Radiology: RISLinQ for iPhone

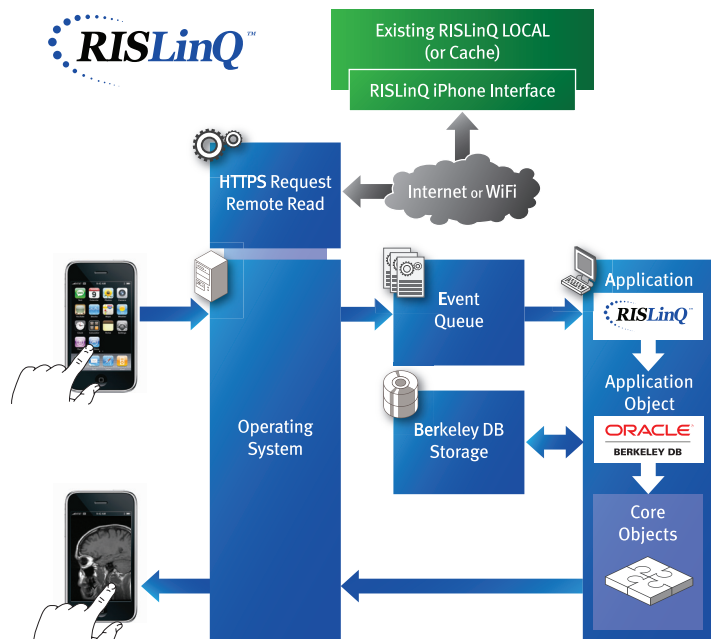
In recognition of growing demand for remote and round-the-clock access to radiology information, PETLinQ has developed a RISLinQ client application for the Apple iPhone. Radiologists, referring physicians and patients can use the RISLinQ-iPHONE app to gain instant access to radiology data held on the RISLinQ server, including the ability to view and manipulate images from all DICOM modalities.



“Research shows that physicians will not wait more than 3 seconds for image data to begin showing. The small footprint of Oracle Berkeley DB allows us to put large amounts of data directly on to the iPhone in a very light application, effectively putting a full, high-performance RIS system into a physician’s pocket. Oracle Berkeley DB is the only database to deliver this kind of capability in a handheld device.”

– Harsha Hatti, CEO, PETLinQ

RISLinQ-iPHONE extends the capabilities of the RISLinQ platform to the increasingly popular Apple iPhone. A thick-client application with an embedded Oracle Berkeley Database providing a slim yet powerful local data store, RISLinQ-iPHONE synchronizes via Wi-Fi or 3G with the primary RISLinQ application hosted in PETLinQ’s data centre (see diagram).



RISLinQ-iPHONE architecture, showing Oracle Berkeley DB embedded data store

Images and data are replicated to the iPhone app from the main RISLinQ application via the native API that ships with Oracle Berkeley DB. Storing this data locally means the RISLinQ-iPHONE application can provide near-instantaneous access to radiology data and images, eliminating the time delay experienced with other web-based RIS applications when requesting very large objects from a remote server.

The net results are higher productivity and the ability to view information remotely, thereby resulting in faster outcomes for the physician and patients alike.

The Power of Oracle Berkeley DB

Oracle Berkeley Database is the key to the lightning-fast performance of RISLinQ-iPHONE. Oracle Berkeley DB is an industry-leading open source, embeddable, key-value database that provides fast, reliable, local persistence with zero administration.

Often deployed as an “edge” database, Oracle Berkeley DB provides very high performance, reliability, scalability, and availability for application use cases that do not require SQL.

Oracle Berkeley DB acts as a library that links directly into an application, enabling the application to make simple function calls rather than sending messages to a remote server. This eliminates the performance penalty of client-server architectures and removes the overhead of SQL query processing, allowing applications with predictable access patterns to run faster.

Oracle Berkeley DB: Key Benefits

Extreme Performance: eliminates client-server communication and SQL processing delays for applications with static access patterns

High Reliability and Availability: full transactional semantics ensures data integrity and recovery from failures, and replication provides high availability and scalability

Zero Administration: applications perform database administration, eliminating the need for a DBA and allowing continuous, unattended operation

Low TCO: extreme performance reduces hardware costs and being embedded eliminates DBA costs

Three Good Reasons to Choose Oracle

Since the company's inception, PETLinQ has chosen to develop its RISLinQ applications on Oracle's database technology. It cites three primary reasons for its choice:

- 1. Technical Superiority:** The global database leader, Oracle continuously demonstrates it has the most reliable, scalable, available, secure, robust and high-performance database technologies available today.
- 2. Brand Credibility:** Oracle is the database engine powering some of the world's biggest online operations, including Amazon and eBay. "We instantly gain customers' confidence when we mention the Oracle platform," says Harsha Hatti, CEO, PETLinQ.
- 3. Cost-Effectiveness:** Thanks in part to the suitability of Oracle Database 11g and Oracle Berkeley DB for web-based and mobile application deployments, PETLinQ has been able to provide a powerful and reliable yet highly cost-effective RIS solution for institutions with limited budgets.

Licensing

RISLinQ-iPHONE is available to license directly from PETLinQ as an additional option when subscribing to PETLinQ's hosted RISLinQ application suite.

About PETLinQ

PETLinQ LLC is an aggressively forward thinking, highly innovative, patient focused technology leader that looks to serve as the trusted center of radiology innovation for solutions serving the outpatient radiology and PET center markets. PETLinQ is committed to delivering uniform quality of care to the patient irrespective of the place of care through a suite of products and services that best support the patients and the healthcare entities who serve them each and every day. For more information please visit www.petlinq.com.



About Oracle

Oracle (NASDAQ: ORCL) is the world's largest business software company. For more information about Oracle, please visit www.oracle.com.

