eRAD's latest PACS offers a state-of-the-art solution for radiology imaging workflow. With a new infrastructure, enhanced data security, updated web technology and a modernized user interface, eRAD PACS Evolution takes efficiency and flexibility to a new level.

Not an upgrade or tweak to existing technology, but an entirely new infrastructure—eRAD PACS Evolution is built from the ground up to take advantage of the latest innovations in imaging and IT. New workflow features—such as user-to-user messaging and tools for high-volume mammography screening—align with enhanced configurability across the board. Clients can opt to deploy Evolution on the cloud or on in-house hardware. Users get a powerful, adaptable foundation for their practice workflow along with unparalleled performance.

**Cloud architecture for secure performance**
Evolution’s cloud computing architecture delivers reliable, fast global worklist access in distributed environments. With centralized hosting in secure, redundant data centers, traffic is load-balanced across multiple servers, and dynamic bandwidth and data storage resource management is available. Multiple levels of user authentication are employed to restrict access to servers and patient information.

**Streamlined user tools**
Along with a modernized interface, Evolution promotes a better user experience with a configurable dashboard that includes user-to-user messaging, system statistics, report summaries, and shortcuts to custom worklists.

**Enhanced viewing**
A multi-monitor, diagnostic viewer includes customizable macros and configurable tools, menus, and hotkeys. Add multi-planar reconstruction, edge enhancement, image fusion for PET/CT studies, image stitching, and mask subtraction for greater viewing power.

**Advanced mammography features**
Evolution provides enhanced mammography hanging protocols and support for breast tomosynthesis (BTO) and BTO CAD, as well as breast projection images.

**Comprehensive interoperability**
Evolution supports integration with multiple order systems, third-party dashboards, EMRs and other systems via integration modules, including DICOM, HL7, a web services (HTTP) API, WMI interface, and XML Control File interface. The Evolution platform supports vendor-neutral archiving (VNA) to make data available quickly, without expensive migrations and downtime.

**New features in eRAD PACS Evolution:**
- Customizable user dashboard
- System performance dashlets
- Enhanced quick search
- Technologist review page
- User-to-user messaging
- Multi-language support
- Configurable toolbars and menus
- Customizable study states
- Desktop touch-screen support
- iOS, Windows and Android apps
- High-volume mammography tools

**New features in eRAD PACS Evolution Web Viewer:**
- Platform independence
- Comparison views
- Multiple monitor support
- Enhanced hanging protocols
- Additional annotation tools
- Additional measuring tools
- User-specific settings