



Lexmark Vendor Neutral Archive

Image It. Archive It. Own It...Share Imaging Data Across the Enterprise and Beyond

Radiology...cardiology...departmental systems. Inpatient...outpatient...transfer patient images. Multiple formats...a tangle of archives. Medical imaging in today's healthcare system is, in short, chaotic.

From lab and ophthalmology to dermatology, departments across the enterprise generate widely ranging image file types, and each imaging system often speaks a language all its own. Even DICOM and other so-called imaging standards come in vendor-specific flavors. Medical imaging in today's healthcare system is, in short, complex.

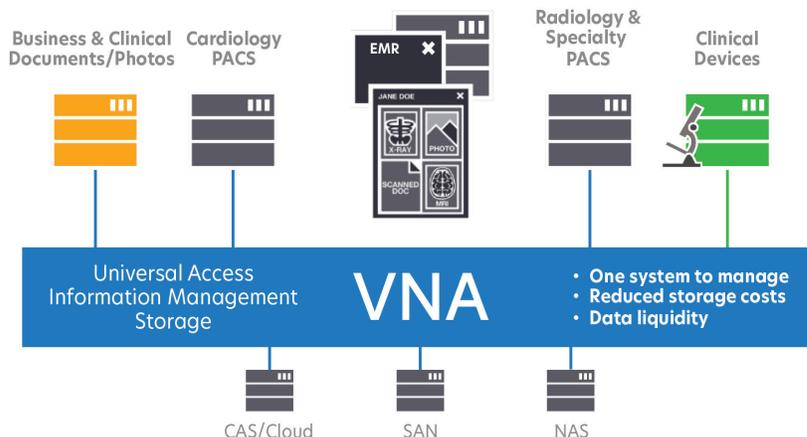
The result is proprietary information locked in isolated archives, making interoperability, information sharing and image-enabling the patient record a challenge. This often leads to costly duplicative imaging services, inefficient patient care and potentially lower reimbursements.

Compounding the problem, each image store requires individual maintenance with associated costs and complexities. Storage systems, if they exist, often lack scalability, security and compliance. Additionally, imaging data volume and variety as well as infrastructure costs are escalating, as providers keep up with complex healthcare delivery demands. Successful archiving strategies also must address the realities of the ever-changing healthcare business climate.

Enjoy unrivaled control over image management, communication and workflow

Now, imagine a powerful image management system that cuts through the chaos by consolidating imaging information throughout the enterprise into a single, standards-based data repository that communicates seamlessly with all the IT systems involved. Consider the benefits of enterprise-wide image access enhancing patient care, standardized workflows across departments and the cost savings of economies of scale. In today's challenging healthcare environment, it's hard to be neutral about the benefits of a mature vendor neutral archive (VNA).

Through true standardized data formatting, the Lexmark VNA provides medical facilities with all-encompassing ownership of their imaging information, cutting the ties with proprietary archives. It leverages advanced technologies to support the management and sharing of imaging data across the enterprise and beyond, while image-enabling a patient record. As the centrally managed point of access to all your imaging information, the Lexmark VNA provides the foundation for an all-inclusive enterprise-wide image management platform based on DICOM, XDS and other emerging standards.



With Lexmark VNA, you can store all content from all departments in a truly independent repository and image-enable your EMR to give your clinicians access to complete patient information.

Leverage the power of Lexmark Healthcare

Since 2001, the Lexmark VNA has been helping some of the largest U.S. health systems, as well as imaging centers and community hospitals, excel with advanced image management. Developed exclusively by Lexmark Healthcare with no third party components, our VNA architecture is streamlined, state-of-the-art and optimized for high performance. With Lexmark Healthcare you can take full control of your images, enjoy business and administrative advantages and enhance patient care.

- ▶ **Declare your independence from proprietary PACS**
Benefit from Lexmark VNA's unique power, flexibility and support for every major PACS solution and a wide range of related technologies. Our VNA can become the foundation of a best-of-breed redefined PACS solution, enabling hospital-defined storage strategies and cost-savings.
- ▶ **Avoid costly migrations and support institutional change**
Never again will replacing a PACS or departmental imaging solution demand costly and time-intensive data migration. With Lexmark Healthcare's unique multi-tiered VNA database architecture, images retain their full history of ownership and move easily with a hospital through mergers, acquisitions and new business models.
- ▶ **Neutralize and centralize image archiving across the enterprise**
Whatever the original image format, Lexmark VNA automatically transforms imaging objects into universally accessible files through DICOM tagging and morphing or publishing in native format (TIFF, JPG, MPG, AVI, GIF, etc.) to an XDS repository. Intelligent technology communicates them seamlessly across multiple systems, departments and enterprises. Finally, you can break down barriers that prevent images from traveling throughout the continuum of care.
- ▶ **Image-enable a patient-centric EHR for enhanced care**
Take advantage of the IT efficiencies of a single point of integration among all your images and an electronic health record (EHR), leveraging seamless web services, if desired. With Lexmark NilRead or the universal image viewer of your choice, clinicians finally have a complete patient record at their fingertips. The combined technologies also can enable direct image viewing across the enterprise.
- ▶ **Drive consistent imaging workflow hospital-wide**
Efficiently identify and move studies among destinations with web-based technology. The VNA's centralized image control enables standardized policies and procedures across all clinicians in the handling of this critical shared patient data.
- ▶ **Support image exchange across affiliated hospitals**
Sharing images means associating them with the appropriate patients across IT systems, health information exchanges and unaffiliated providers. The Lexmark VNA leverages sophisticated technologies that transform patient identifiers and other metadata to conform to the demands of the receiving system, while preserving the original formatting.
- ▶ **Enjoy anywhere, anytime image access**
A combined Lexmark VNA and NilRead Enterprise Viewer solution supports flexible image viewing on any PC and a full range of mobile devices for all authorized users.
- ▶ **Deliver departmental control**
Lexmark VNA's innovative architecture allows you to reap the benefits of centralized image management while continuing to support individual departmental and clinician preferences, workflow and data ownership, as needed. XDS-enabled native image formatting maintains consistency with originating IT systems, while federated storage can keep data tied to a particular department, if required.
- ▶ **Consolidate archive management, security and disaster recovery**
Centralized image management enables powerful features, including data security, back-up, disaster recovery and system upgrades. Lexmark VNA also supports sophisticated user permissions, protected health information policies and automated data lifecycle management.
- ▶ **Cut costs with an economy-of-scale**
Pare down costs by consolidating hardware and software purchase and maintenance into a single imaging archive, making the most of capital equipment budgets and human resources.
- ▶ **Compliance with Meaningful Use**
Promote compliance with Meaningful Use Stage 2 menu items involving accessibility of medical images in the EHR.