

Dell EMC PowerScale Helps Capture Encounter-Based Imaging



Imaging workflow, simplified.

- ImageMover effortlessly transfers all types of medical images and videos. Any image/video format you need to incorporate into your EHR and PACS/VNA is simplified with ImageMover's provider focused workflow design.
- ImageMover solves business challenges while positively impacting the quadruple aim.
- Patient experience is improved as image sharing between providers and health systems no longer puts the burden of transferring CDs between institutions on the patient.
- Clinician experience with streamlined image acquisition and sharing is reduces the burden of manual imaging tasks, increasing job satisfaction and minimizing burn-out.
- Lower costs are realized through greater workflow efficiency, and revenue is increased by capturing billings from previously unordered point-of-care exams.
- Better outcomes are achieved by creating a single enterprise imaging archive for traditional and non-tradition encounter-based images and videos, which reduces disruption of care and duplicate exams.

Patient Imaging in the Data Era

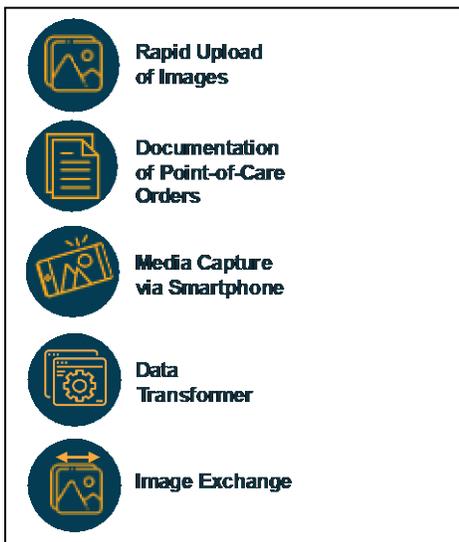
Hospitals and care facilities are not immune to the influx of data being generated every day. We now live in the Data Era, a time when more and more data is being generated that can be utilized to drive business, make discoveries, and of course better patient care. A major aspect of many healthcare visits, both planned and emergency, require some type of imaging. Many of us are familiar with imaging that takes place in imaging departments, such as echocardiograms in cardiology and MRIs in radiology. The images are typically ordered, allowing for the images to be added to the PACS or VNA and found within an Electronic Health Record (EHR). These orders also go through billing, allowing for hospitals to appropriately charge insurance and patients. However, almost half of all images taken in hospitals today are encounter-based which are typically not ordered, not billed for, and not added to the EHR. This leaves a massive amount of data and images not stored onto the PACS/VNA system creating a less than ideal patient history.

Encounter-Based Imaging

Encounter-based images are images that typically are taken at the bedside or outside of the traditional imaging departments, Radiology and Cardiology. These photos and videos, taken by nurses and clinicians, include wound care images, dermatology images, point-of-care ultrasounds, gate study videos, and behavioral study videos just to name a few. Because of the nature of these images, and the lack of order associated with it, they are not linked to a patient record and not billed. By not managing this part of patient treatment, the imaging workflow in a hospital is not complete resulting in less than ideal patient care, a non-encompassing patient record, and a loss of revenue. ImageMover has developed software that solves all of these problems.

ImageMover

ImageMover is a medical software company focused on simplifying the imaging workflow in healthcare institutions. ImageMover deploys a HIPAA compliant solution that leverages your existing PACS/VNA and EHR, making it possible to capture encounter-based images. With tight integration into the EHR, ImageMover enables the import of on-the-fly images and automated order generation. This means more revenue and more robust patient records. By leveraging the mobile app, healthcare providers can also quickly snap images or video of patients and link it to



a patient record with the use of QR codes. With ImageMover, patient data is never saved to the mobile device, instead it is sent directly to the PACS/VNA, removing the risk of compromised patient information.

ImageMover doesn't stop at just encounter-based images. Their software solutions also include the ability to upload CDs of patient's outside images and the instant image sharing between health systems. These solutions take patient images and instantly add them to your existing PACS/VNA. ImageMover helps to create a more inclusive patient record by making it easy to capture encounter-based images, upload both DICOM and non-DICOM outside images, and share and store images from across healthcare institutions. With more images and a more information rich record, physicians can make a more informed diagnosis and enhance patient care. As more healthcare institutions seek to bring order to their non-ordered imaging, the demands of their imaging archive will change. The major increase in the number of images entering your PACS/VNA means you need reliable, scalable, and secure storage for all of these images.



Dell EMC PowerScale

Dell EMC PowerScale is a trusted scale-out platform that is built for the Data Era. PowerScale delivers reliable, performant, and cost-effective storage at nearly any scale and enables consolidation of medical imaging onto a single storage cluster, including PACS, encounter-based images, Vendor Neutral Archives, and current digital pathology systems.

With its legendary PowerScale OneFS operating system, PowerScale is incredibly easy to manage. OneFS creates a single shared pool of storage, eliminating multiple volumes or silos. Patient data is kept safe and secure with data at rest encryption (D@RE), self-encrypting drives, and replication with Dell EMC PowerScale SyncIQ.

Automated tiering with Dell EMC PowerScale SmartPools can also be configured, enabling intelligent placement of data across nodes in a cluster. This allows users to leverage all-flash, hybrid, and archive nodes to best fit their needs.

Dell EMC Cloud Storage Services enable PowerScale to leverage multi-cloud connectivity allowing both on-prem and off-prem solutions. Dell Technologies has the knowledge, experience, and technology to be your trusted and strategic HealthIT partner.

