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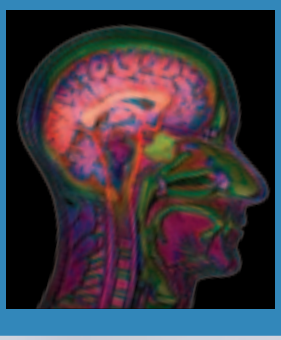


Make sure the right information is there at the right time, for the right patient.

Dell's Unified Clinical Archive Solution

DELL
The power to do more

Dell's Unified Clinical Archive offers a single-source, end-to-end solution for your medical imaging storage needs.

As the medical community moves toward clinical collaboration with a new standard of patient care, medical imaging must move toward a new model of data management. With the increases in the volume of clinical imaging procedures demanding more storage on multiple systems, the medical community requires technology solutions that can do more than simply store electronic patient data. It requires long-term archiving solutions that helps manage the data into a patientcentered record, manage the data for compliance, mitigate risk of data loss, enable easy search and retrieval, and make the data available to all healthcare providers at the point of patient care.

Today's hospital CIOs and PACS (Picture Archiving and Communications Systems) administrators need to expand storage capacity while simplifying infrastructure. Important challenges include:

- Implementing or upgrading PACS and other clinical applications across facilities without downtime and data migrations.
- Overcoming technology obsolescence and constrained financial resources.
- Enabling business continuity through data protection and disaster recovery.
- Enable compliance with regulatory requirements.
- Reducing the Total Cost of Ownership by controlling total expense of data management.

Imagine a data management and archiving solution that makes every diagnostic image for a patient available to multiple caregivers at the point of care:

- No more searching through multiple systems that don't communicate with one another.
- No more risky, painful data migrations.
- No more disruption of clinical workflows when managing IT systems or adding storage.

Deploy all these solutions at your facility with the Dell UCA. It enables easy data retrieval and secure data sharing for the clinician, while simplifying management and maintenance overhead for IT. With the ability to integrate with leading PACS applications and multiple deployment modes, Dell's UCA is a flexible, end-to-end solution for hospitals and practices of all sizes.

Dell's Unified Clinical Archive Solution Offers Choice & Flexibility.

Our UCA solution is focused on meeting your needs, at your speed. Choice and flexibility are built in, giving you a range of options that help you easily adapt to ever-changing workflow technologies and business models.

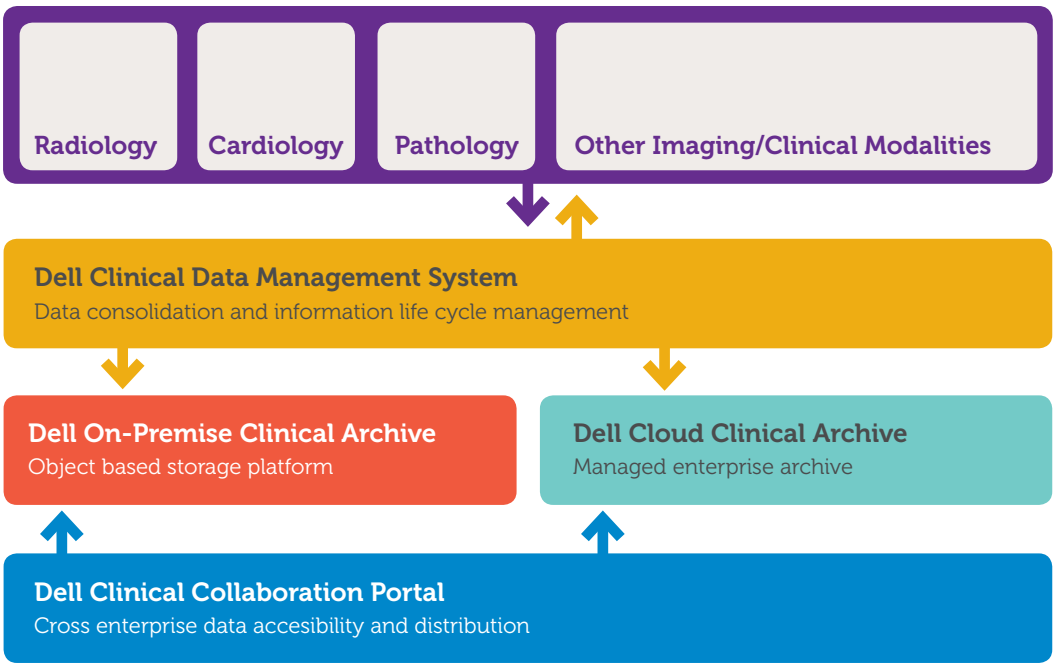
It starts with **Clinical Data Management** for data consolidation. We offer a choice of multiple VNA software partners for managing data based on your requirements, matching their features and capabilities to your needs.

Choice and flexibility are built into how the solution is deployed, as well. We can implement an **On-Premise Clinical Archive** using the DX6000 platform which features Intel® Xeon® processors, or implement it off-site with the **Cloud Clinical Archive** that allows for instantaneous scaling along with reliable disaster recovery and business continuity. This combination of Capex and/or Opex-based business models enables you to customise the solution according to your operational and financial requirements.

Then the Clinical Collaboration Portal ensures that you can directly access images in the archive in the event of a disaster, providing the operational continuity so critical to healthcare environments. The Portal also facilitates image enablement of Electronic Medical Records, and sharing of data through a Health Information Exchange.

Dell's Unified Clinical Archive Solution

Simplified image archive storage, management and access



Scalable, Secure, Recoverable and Compliant

Dell's UCA solution is designed to be infinitely scalable, yet secure and recoverable in the event of a disaster, while maintaining compliance with regulatory standards.

- **Scalable**— Dell's UCA solution integrates with industry leading PACS delivered either locally or remotely through an Archiving-as-a-Service model. These solutions enable you to easily manage medical imaging data objects that adhere to standards-based IHE (Integrating the Healthcare Enterprise) protocols of DICOM and non-DICOM file formats (including XDS-I), providing ease of sharing and exchange in an application-neutral enterprise archive. And Dell's UCA solution provides a standards-based approach to ensure high availability and full support for automated IHE integrated workflow.

- **Secure and Recoverable** — The Dell On-Premise Clinical Archive can be paired with the Dell Cloud Clinical Archive for off-site disaster recovery redundancy and instant capacity expansion. Two copies of every image are stored in separate locations, providing robust and secure disaster recovery.

- **Compliant** — The intelligent data management system of the Dell UCA consolidates data for each patient from all your PACS and proprietary clinical applications into a standards based platform that is optimised for retention, recovery and distribution. This solution uses standards-based workflow protocol conforming to IHE guidelines. The archiving platform complies with IT needs as well, by providing automated and secure policy-based retention, replication, distribution and self-healing, so IT staff will spend less time on routine maintenance, while promoting compliance with regulatory guidelines.

Ten quick takeaways on Dell's Unified Clinical Archive Solution

1. **End-to-end solution for medical image archive from a single source**

   Dell brings in best of breed solutions for medical image archiving in an integrated package.

2. **Unparalleled choice and flexibility**

   The solution is tested and validated to work with a range of PACS applications and Vendor Neutral Archive software platforms. Dell works with multiple partners to provide customers with a validated single source solution for their archiving needs.

3. **Multiple business models for deployment**

   Solution can be configured as a combination of On-Premise and Cloud-based Archive with end-to-end consulting, deployment and support services.

4. **Centralise application neutral data management**

   All medical imaging data is moved to a common storage platform so you spend less time and money managing multiple data silos. Lets you maintain control of your data no matter what vendors individual departments choose.

5. **Affordable, future proof and scalable storage**

   One-time, pay-per-study pricing model for cloud based managed archival services lets you pay for archive from operating funds. Even for the On-Premise solution, as needs increase and technology improves, simply add the latest, most efficient storage without replacing existing hardware.

6. **Empower enterprise-wide data sharing and collaboration**

   Standards-based enterprise-wide archive to drive sharing of data between multiple clinical applications and cross enterprise data sharing/collaboration through Health Information Exchange.

7. **Efficient disaster recovery strategy**

   The Dell Cloud Clinical Archive stores 2 copies of every image at geographically separate locations thereby providing an efficient disaster recovery strategy without your organisation having to maintain and manage a second data center.

8. **Maintain data protection and compliance**

   The solution includes safeguards to protect confidentiality, integrity and availability of patient information to promote regulatory compliance for our clients. This solution also uses standards-based workflow protocol conforming to IHE guidelines.

9. **Leveraging archive for business continuity**

   With our integrated web-based viewer customers get direct access to medical images in the cloud thereby providing business continuity in the event of a disaster or if the PACS server is down.

10. **Last data migration you will ever need**

"We discovered that Dell-InSite One is the only vendor specializing in cloud-based storage. The company has had an unrivaled depth of experience in the storage of radiology images and related data."

Lisa Busby, MSIA, CISSP and CIO
Inter-Lakes Health Moses-Ludington Hospital

Visit dell.co.uk/UCA
or call 01344 373742 in the UK

The power to do more

Your single-source, end-to-end medical archiving solution from Dell.

The power to do more

Designed around your needs

- Pure vendor-neutral archiving to fully-managed UCA solutions leveraging the cloud
- Multiple choices and flexibility
- Business continuance solutions providing a solid disaster recovery strategy

Easy to use

- Standards-based solution that is scalable, efficient, and future ready
- Provides ease of data sharing across the system

Patient-centric, PACS friendly

- DICOM format standardises archived images and ties to patients, no matter the PACS system that generates it.
- Integrates with multiple PACS systems and image enables other clinical applications.

Scalable

- End-to-end image archiving with future-proof technology that lets you avoid rip-and-replace upgrades and costly migrations.

Proven

- InSite One, now a Dell company, has been providing digital medical archiving services for 11+ years.
- 750+ clinical sites are plugged into the ISO Cloud Archive (growing at a rate of 60 TB/month).
- Dell currently manages one of the largest medical image archives with over 4 billion images and 63 million+ studies.

Industry leading

- Gartner Rankings—#1 in Healthcare Services for two years in a row.
- HCI Rankings—#2 in Healthcare overall.

Committed

Dell's acquisitions demonstrate commitment to growing storage technologies and services devoted to healthcare:

- Perot Systems
- InSite One
- Compellent
- SecureWorks

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