

## Case Study

# From Legacy to Innovation

*How Modernizing 150 TB of Data for 92 Hospitals Across 22 States, Empowered One of the Largest Not-for-Profit Healthcare Systems to Enhance Patient Care and Efficiency at Scale*



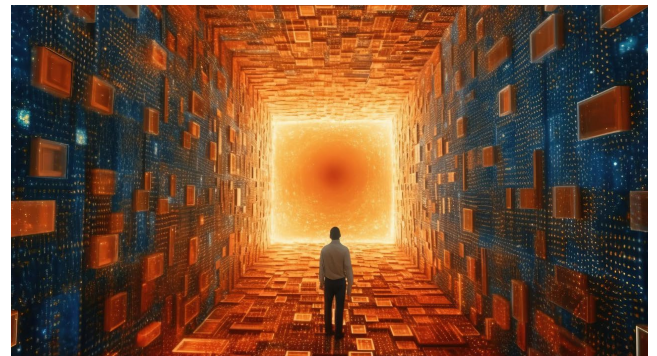
For one of the largest not-for-profit healthcare systems in the U.S., the urgency to modernize their data infrastructure was paramount. With 92 hospitals spread across 22 states, the need to decommission older PACs systems, gain valuable data insights, and optimize costs prompted the healthcare system to seek a transformative solution. Data Dynamics stepped in, offering their unified data management software, empowering the healthcare system to seamlessly modernize 150 TB of data and revolutionize patient care.



## Business Need

### *Enhancing Data Insights and Cost Optimization for Health Care Systems*

- **Decommission Older PACs Systems:** The need to retire older PACs systems at two locations and maintain data integrity from PACs images.
- **Data Classification and Insights:** Gaining valuable data insights from PACs images through effective classification.
- **Data Migration and Cost Optimization:** Migrating images to NetApp StorageGrid 11 for optimized cost management.
- **Future Data Retrieval:** Ensuring the ability to retrieve patient data in the future if necessary.



## Challenges Faced

### *Overcoming Obsolescence and Lack of Data Knowledge*

- **Obsolete PACs Systems:** The PACs images were stored on the older NetApp StorageGrid 9 platform, nearing its end-of-support and end-of-life stages.
- **Lack of Data Knowledge:** Limited insights into patient data due to inadequate knowledge and classification.
- **High Maintenance Costs:** Maintaining the old data systems imposed significant financial burdens.



## Solution Offered

### Seamless Data Modernization with Actionable Insights

Data Dynamics proved to be the transformative solution with the following capabilities:



#### F2O API Implementation

Employing the software's F2O API for seamless image migration, while adding relevant object tags during transformation.



#### Metadata Analysis and Classification

Utilizing metadata analysis and intelligent data classification of PACs images.



#### Custom Script Generation

Generating custom scripts based on relevant metadata analysis for each image, creating an F2O API job for a smooth migration process.



#### On-Premise Storage Connectivity

Connecting software to on-premise storage to collect necessary image files, transforming them into objects within the destination SG11 bucket, and adding appropriate object tags.



## Business Impact

### Empowering Healthcare Transformation

- **Data Enrichment and Insights:** Through intelligent data classification and metadata analysis, patient care was enhanced with valuable data insights.
- **Improved Patient Care:** Addition of object tags facilitated easy retrieval of patient care data for future reference, further enhancing patient care.
- **Patient Data Accessibility and Cost Savings:** Modernizing data infrastructure by migrating into object storage improved patient data accessibility while optimizing costs.
- **Decommissioning of Old PACs Systems:** Retiring older PACs systems resulted in substantial savings on maintenance costs of outdated data systems.
- **Future Data Retrieval:** With data accessible with or without PACs systems, the healthcare system secured future data retrieval capabilities.



## Conclusion

Data Dynamics' Unified Data Management Software played a pivotal role in empowering the healthcare system's data modernization journey. By classifying data, optimizing storage, and ensuring seamless migration, the healthcare system revolutionized patient care and achieved significant cost savings. Armed with valuable data insights and a future-proof data infrastructure, the healthcare system is now well-equipped to provide unparalleled patient care and drive transformative advancements in the healthcare industry.

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