DATA DYNAMICS®

Modernizing 150 TB of Data for 92 Hospitals in 22 States

for one of the largest not-for-profit health care systems in the U.S.

Business Need

- **Need to decommission older PACs system** at 2 locations
- **Classification of data** and to gain **data insights from the PACs images**
- **Maintain the data in the PACs images** even without the original PACs systems
- Migrate images to **Netapp storagegrid 11 system for cost optimization**
- Have the ability **to retrieve patient's data** in the future if necessary

Challenges Faced

- PACS systems stored images on **older NetApp StorageGrid9 platform with only CIFS/SMB and NFS protocol capabilities.**
- StorageGrid9 is being **retired, and it is at its end-of-support/ end-of-life stage**
- **Lack of knowledge** about the patient's data
- **High maintenance cost** of the old data systems

Solution Offered

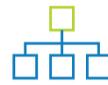**Implemented Data Dynamics' StorageX capabilities**

- The StorageX F2O API was selected because it **provided a way to move each image seamlessly and added relevant object tags as files are transformed.**
- It was used for **metadata analysis** and **classification** of PACs images
- A **custom script was generated out of each image** name after analysis of its relevant metadata. The script created a F2O API job for each image.
- StorageX was connected to an on-premise storage to collect the necessary image file, transformed it to an object of the same name in the destination SG11 bucket and added the **appropriate object tags which described the image.**

Business Impact

Modernization of the data systems leading to improved patient care:

1. **Data enrichment** through **intelligent data classification by** metadata analysis

2. Enabled the ability to study and **derive insights** from the patient's data for the ease of retrieval

3. The migration into object storage with **improved patient's data access and cost savings**

4. Data can now be accessed with or without PACs system

5. Addition of object tags helped in **easy retrieval** of patient's care for future reference thereby enabling improved patient care

6. **Decommission old PACs systems and saved on the maintenance costs** of the old datasystems

DATA DYNAMICS®