CASE STUDY

California-based Health System Migration & Consolidation

THE CUSTOMER

$6.5B California-based Health System

THE CHALLENGE

Healthcare provider had grown through acquisitions from a few hospitals in Southern California to a regional healthcare provider with 9 hospitals across 3 states. The collection of various data centers and infrastructures created operational challenges not allowing the IT organization to keep pace with the demands of the business. Specifically the year over year spend on storage alone created the demand for a private cloud with public cloud scalability.

The organization had too many small data centers that were difficult to manage, costly to support and impossible to expand. The company needed to identify a cloud model that met the latency/uptime/security demands of a fully synchronous electronic healthcare exchange that could expand to meet the demands of tomorrow without having to continue increasing SAN data center real estate.

KEY FEATURES

- IT and Analytics Strategy
- Voice of the Clinical Users
- Infrastructure Assessment
- Data Center Assessment
- Business Case Development
- Application Rationalization
- Data Migration
- Big Data and Analytics

THE SOLUTION

After the organization acquired many hospitals that operated in a stand alone environment, the IT organization needed to reduce the “silos” that existed. Each hospital operated in an autonomous fashion. Along with too many data centers there were applications only used by a small audience. Our team began by cataloguing over 1,800 application instances company wide. By working with the business, eliminating unnecessary applications and licenses the organization was able to reduce the application footprint by 42%through standardization/data archival solutions.

Our team created an architectural design that allowed the reduction of 9 data centers into a private cloud environment that deployed Business Computing Platform and Clinical Computing Platform using VDI, across the environment. The implemented design consisted of a primary and secondary data center with disaster recovery best practices at the core. The solution created a single HER, PACS and operational system design and migration path to give a single patient view to physicians and patients through a non-vendor specific presentation layer that ingested and processed all the EHR, PACS, Labs, Physician Notes and Medication data.

THE RESULTS

40%consolidation of applications across both Hybrid Private Cloud residing in 2 data centers.

Reduced over $8M in costs by migrating and reducing data centers to private cloud and improved network reliability