

BIG DATA IS TRANSFORMING HEALTHCARE

As a platform for decision making, Big Data dramatically changes the economics of patient care, research, and discovery. It is making the invisible, visible.

At the same time, the demand for faster, cheaper, and more effective analyses of Big Data is increasing and becoming more complex, with the rise of privacy and security requirements in Healthcare.

Comedtech has the solution. Its data storage, management, and analytics will give you cost effective access to the value hidden in your data. By leveraging proven commodity and open source technology, Comedtech aggregates disparate silos of data into a unified data store. Once aggregated, Comedtech's clinically proven analytics platform dramatically reduces IT costs and complexities while providing fast, secure, and easy access to the combined data.

COMEDTECH DATA STORAGE

- Rapid deployment – quickly meets any size demand, up to petabytes of data per day
- Low cost – prices start at \$0.25 per GB

COMEDTECH DATA MANAGEMENT

- On premise – all data remains onsite behind your firewall
- Advanced protection – automatic replication and disaster recovery

COMEDTECH DATA ANALYTICS

- Analyze everything – aggregated data and commodity hardware provide answers fast
- Run anything – Hadoop, Spark, MapReduce, Mesos



comedtech

Making the invisible visible



WHAT OUR CUSTOMERS ARE SAYING

“ We got 240 TB of space with key Enterprise features for less than a quarter of the cost of other solutions we looked at. ”

“ With this tool, it's possible for us to see where patients are being incorrectly admitted, which reduces stress and improves outcomes. ”

CASE STUDY

THE JOHNS HOPKINS DEPARTMENT OF RADIOLOGY COMEDTECH SOLUTION IN ACTION

BACKGROUND

In 2009, the Johns Hopkins Department of Radiology realized it had a growing problem. Their clinical imaging data was increasing by 1 terabyte per week while their user data, research data, and copies of data sets for analysis were also rapidly expanding. They needed an effective, efficient, and low cost method to store and manage this data as well as one that would allow for future analysis.

SOLUTION

A number of solutions from leading industry providers including IBM, NetApp, and EMC were considered. All were rejected as being too expensive, inflexible, and unable to resolve all of the challenges faced by Radiology.

Comedtech was selected because of their deep expertise in medical imaging, data storage, high performance computing, and open source technologies. Their solution met all of Radiology's needs by being standards based, flexible, and low cost while providing consistent high performance. This was a cohesive and comprehensive data solution unavailable from any other vendor.

RESULTS

Today, Comedtech manages 6 petabytes of crucial Radiology data. This is equivalent to a stack of iPads as high as the tallest building in the world. Comedtech also manages – 24/7 – the mission critical Radiology infrastructure, including all clinical, research, and virtual systems.

Since 2009, Radiology has been able to seamlessly adapt to continuously changing demands and exponential growth with no data loss using Comedtech's solution. Looking ahead, Radiology is poised to discover the hidden value in their rapidly growing database of 1.1 billion indexed medical images and over 5 million unique studies.

WHO IS COMEDTECH?

As data architects, Comedtech transforms disparate data center technologies into fast, efficient, and cost-effective private clouds with powerful analytical tools to make the invisible visible in your data.