Mosaic Gives Celerasys Healthy Storage Solution

Introduction

Celerasys Corporation is first and foremost an engineering company. They help companies improve operational processes and global product management by intelligent use of tools and proper business information tracking techniques.

Celerasys early growth was based on inventory and manufacturing processes. As the financial boom of the 1990s came to a close, Celerasys helped companies increase profits by repurposing and augmenting their existing systems.

Celerasys' focus turned towards solutions addressing US Customs compliance, HIPAA compliance, and materials management for hospitals. Today, Celerasys continues to assist customers with process efficiencies related to product and information visibility.

Hospital Materials Management

Like many industries, hospitals face increasing demands for cost savings and systems efficiencies. In many cases hospitals lack traditional methods and/or systems for tracking and managing their supplies ranging from needles to hip implants. Most, if not all of these supplies have expiration dates. Once material falls outside its expiration it is discarded. If not managed well this represents substantial cost.

Celerasys identified this situation in a number of hospitals and applied a manufacturing-based inventory tracking sensibility to the problem.

Celerasys developed and introduced a just-in-time material tracking system for hospitals. Using a blend of RFID and barcode technologies Celerasys lets hospitals manage their materials with state of the art inventory management principles. This in turn saves participating hospitals hundreds of thousands of wastage dollars every year.

Where to Store the Data

For convenience and control, inventory data is stored at a secure facility by Celerasys. This frees the IT staff of additional workload and provides independent security (backups, etc.) and reliability.

Celerasys needed a storage system that was internet accessible yet secure. It also needed to be scalable to meet demand as their business expanded. And it needed flexibility in terms of virtualization and resource allocation.

CelerasysCorporation

Company	**Celerasys Corporation**
Located	**Nashua, NH**
Industry	**Information and Decision-processing Systems**
Concern	**Developing materials management service for hospitals – requiring specific data storage solution**
Solution	**Partner with Mosaic Technology to define and acquire effective storage solution**

"As an engineering driven company our requirements for technology are rigorous and specific. Mosaic worked with us to define, identify, and acquire the right solution – in this case and EqualLogic iSCSI SAN – that lets us deliver high value, security, and reliability to our customers."

Dave LaPlante
VP of Business Development
Celerasys Corporation

Mosaic and Celerasys

Celerasys enlisted Mosaic Technology to help determine data storage alternatives. Mosaic's expertise in data management and storage technologies streamlined the decision making process for Celerasys.

Mosaic evaluated Celerasys' requirements and recommended an iSCSI SAN from EqualLogic.

EqualLogic iSCSI SAN

Mosaic recommended an EqualLogic PS100E iSCSI array with 14 250GB drive and redundant controllers.

This configuration gives Celerasys a Raid protected fault tolerant capacity of 2 TBs. It also includes a comprehensive suite of data-center-class software features to give Celerasys a solid platform for performance and growth.

EqualLogic delivers a single, simple architecture - components and arrays work together to share resources, distribute loads, and collaborate for maximum performance, total data protection, and seamless scaling. This architecture enables the array to perform numerous functions that eliminate complexity. These include:

- *Easy Deployment* -- enables PS Series arrays to be fully functioning within 60 minutes after opening the box.
- *Control* --the array continuously monitors resources and automatically manages configuration, load-balancing, capacity expansion, storage pools and tiers, volume snapshots, and replication.
- *Provisioning*, for online, on-demand capacity expansion without disruption, including dynamic allocation of disk space, connectivity, security, and performance for every application
- *Protection* -- delivers comprehensive system monitoring, proactive disk drive scanning, group event notifications, multi-pathing, instant recovery, and disaster protection.
- *Integration* -- provides comprehensive toolkit to facilitate deployment, ongoing management, and protection of PS

Series SANs in Microsoft Windows OS environments.

Celerasys Criteria Met

- *Ease of use*
- *Rich protection functionality*
- *Scalability*
- *Virtualization to manage inventories for multiple hospitals.*

Mosaic Technology helped define and acquire the EqualLogic solution that met and/or exceeded Celerasys clearly defined and demanding specifications.

About Mosaic Technology

Mosaic Technology, a privately held company, provides IT infrastructure solutions for companies worldwide through three divisions: Value add solutions, IT Asset Management and Recovery, and Used and Refurbished IT Hardware. Based in Salem, NH, Mosaic has sales and technical offices throughout the United States and associates worldwide. Mosaic provides virtualization, data storage, and management and email solutions from companies such as VMware, EMC, Hitachi, Exagrid, Data Domain, CommVault, Dell, EqualLogic, Sun, Cisco, and Symantec.