

CUSTOMER SUCCESS BRIEF:

Data Center Consolidation Saves Life Sciences Company More than \$15MM Over 3 Years

Consolidation of data centers by moving parts of the infrastructure to the cloud for scalability and cost efficiencies, including tiered storage, network, and an entire disaster recover solution



Industry

Bio-Pharma

Solution Focus

Data Center Consolidation | Private Cloud Deployment | Enhanced DR Infrastructure

Assessing the client environment

Charles River Labs (CRL) specializes in a variety of essential pre-clinical and clinical laboratory products and services that helps pharmaceutical and biotechnology companies, government agencies and leading academic institutions around the globe accelerate their research and drug development efforts.

With a goal of optimizing the overall efficiency of their IT infrastructure and reduce costs, CRL set out to consolidate data centers by closing a large remote location and bring all infrastructure back to corporate headquarters in Wilmington, MA. This consolidation effort also entailed creating a private cloud infrastructure that would leverage CRL's investment in VMware vCloud Suite and re-architect their disaster recovery (DR) strategy.

Clarifying the client issues

The cost to support multiple data centers had continued to escalate and CRL's storage infrastructure was ready for an upgrade as the existing environment was due for a costly maintenance renewal. Furthermore, CRL was committed to migrate parts of its infrastructure to the cloud for scalability and cost efficiencies, including their entire DR infrastructure.

Client value

Daymark technical consultants executed a thorough assessment of the infrastructure and presented a detailed architecture document that outlined all design phases. Daymark's professional services team redesigned CRL's virtualization and tiered storage architecture to provide a solid, secure and stable platform for their private cloud.

Due to Daymark's deep expertise, the tiered storage solution included a combination of technology to meet the business initiatives while maximizing the functionality of each device. For example, 28TB of all-flash storage was paired with a highly available Big Data solution to provide proper tiers of performance and cost effective storage. Network and load balancers were added to create a network optimized solution further enabling deployment of cloud based DR resources.

Results

The data consolidation saved CRL more than \$15 Million dollars in operational costs over three years. In addition, the tiered storage architecture with its strategic use of flash, dramatically improved performance. As a result, CRL's entire DR infrastructure is now secured in the cloud using hypervisor-based replication.

Daymark and Charles River have had a long partnership in designing, deploying and optimizing data centers. Daymark understands the strict industry regulations CRL must comply with, and continues to test, deploy and validate new components to ensure compliance. Daymark also provides CRL with detailed end-state documentation - complete with support and operational procedures so that the CRL IT team has all of the tools, resources and technical knowledge to manage their new infrastructure efficiently and effectively.