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Spotlight on Success

# Chesapeake Bay Foundation Optimizes Data Center with CTI, VMware, and NetApp

## IN THE SPOTLIGHT

### Customer

- Chesapeake Bay Foundation
- Annapolis, MD
- [www.cbf.org](http://www.cbf.org)
- Industry: Nonprofit



**CHESAPEAKE BAY  
FOUNDATION**

*Saving a National Treasure*

### NetApp Partner

- Continental Technologies, Inc.
- [www.webcti.com](http://www.webcti.com)



“Our NetApp solution, combined with CTI’s excellent implementation services, has provided the CBF with a solid, reliable, and cost-effective platform for meeting our strategic goals.”

Mary Tod Winchester  
Vice President, Administration and Operations  
Chesapeake Bay Foundation

## CUSTOMER PROFILE

The Chesapeake Bay Foundation (CBF) is the only independent 501(c)(3) organization dedicated solely to restoring and protecting the entire Chesapeake Bay and its tributary rivers. Since its founding 43 years ago, CBF’s goal has been to improve water quality by reducing pollution. Its motto, Save the Bay, has been the battle cry for that goal.

From the landmark EPA study of the Chesapeake Bay in the 1970s to the current fight for federal passage of the Chesapeake Clean Water Act, CBF has been saving the bay. The foundation’s vision is that the Chesapeake Bay and its tributary rivers, broadly recognized as a national treasure, will be highly productive and in good health as measured by water clarity, lack of toxic contaminants, and abundance of natural filters in the water and on the land.

## CUSTOMER CHALLENGES

- Create a technology foundation that meets the challenges of the coming years
- Improve efficiency of growing data center
- Replace aging systems and create a more flexible, agile IT infrastructure
- Overcome the challenges of managing two independent storage environments
- Improve application performance
- Reduce the environmental impact of providing technology services to the staff

## SOLUTION

- Work with CTI to unify server and storage architecture and implement best practices
- Rearchitect VMware® environment to gain greater virtualization efficiency

- Upgrade and consolidate disparate storage environments to streamline management

## BENEFITS

- Consolidated and optimized the VMware vCenter™ management platform, enhancing efficiency, flexibility, and management granularity
- Accelerated VM deployments up to 70%
- Delivered simplicity and cost efficiency with a single, unified storage environment
- Reduced administrative burden and improved staff productivity
- Improved speed, reliability, and data protection by centralizing backup and replication
- Reduced energy consumption by 50%
- Reduced backup from 48 to 11 hours
- Achieved significant performance and utilization gains by migrating from iSCSI to NFS and using thin provisioning
- Achieved 45% storage space savings with deduplication

## NETAPP PRODUCTS AND SERVICES

- NetApp® FAS2040 storage system
- NetApp SnapManager® for Virtual Infrastructure
- NetApp Snapshot™
- NetApp deduplication

## ENVIRONMENT

- Applications: VMware vSphere™ 4.0, Citrix, Microsoft® SharePoint®, Blackberry Enterprise, Business Objects, and other enterprise and business applications
- Database: Microsoft SQL Server®
- OS: Microsoft Windows® Server 2003
- Protocol: NFS