



## **“Anyone considering disk-to-disk-to-tape backup solutions needs to seriously consider Cybernetics.” They don’t disappoint.”**

Keith Bukovan, Director of Marketing Technology  
Tampa Bay Convention and Visitors Bureau

The Tampa Bay Convention and Visitors Bureau is an independent, non-profit organization representing over 700 businesses throughout Tampa Bay. Its mission is to drive economic growth by marketing the region as a preferred destination for conventions and tourism. Keith Bukovan manages the organization’s 14 Windows 2003 R2 servers with 500 GB of disk capacity, and he turned to Cybernetics for a solution that would streamline and shorten weekly tape-only full system backups which had become too “complex and time consuming” using two HP DAT libraries connected to two dedicated backup servers. After reviewing other solutions on the market, Bukovan chose the miSAN V Series, finding it “one of the only all-in-one solutions for our needs” at a price point for capacity that was “extremely competitive.”

### **“Are you kidding me? This is fantastic.”**

Before miSAN, full weekend backup for all systems took 26 hours and required multiple backup servers and tape drives, increasing software licenses, and “10 times more tapes to manage.” It was not only time-consuming and inefficient but expensive, and there were reliability issues with the older technology. With miSAN, Bukovan reports “I get 1 GB/Min throughput” and backups only take 6.5 hours; with miSAN, he says, “Backups/Restores and offloading of disk to tape are simplified and very fast.”

With three Gigabit Ethernet ports, a SATA-2 backplane, and support for up to 9 TB native capacity, miSAN V Series offers a scalable solution that customers like Bukovan appreciate for providing exceptional flexibility and ease of use. Simply connect miSAN to an Ethernet network and assign an IP address for enterprise-wide access to centralized backup and restore. Featuring tape virtualization for compatibility with off-the-shelf backup software, miSAN V Series enables administrators to schedule backup operations at designated intervals, without any manual intervention. Multiple backup jobs can run concurrently to independent logical libraries within the virtual tape library. A connection to network UPS eliminates the risk of data corruption due to power outages.

An exclusive offload feature supports the attachment of an external tape drive or library for serverless backup to removable media, with licensing for as many as six virtual tape libraries. It is also available with an integrated tape drive to provide 4.5 TB in just 2U of rack space – and from 400 GB to 1.2 TB on each removable tape, depending on optional data compression. Archiving can be performed automatically at the completion of the virtual tape backup, or at any time. The archived tape is non-proprietary and can be restored in any like tape drive on any like host platform. For the increasing number of companies who have a fiduciary responsibility to protect corporate and customer data, Cybernetics also offers optional data encryption. In short, the miSAN V Series can be configured to meet the needs of the most demanding disaster recovery and data security requirements.

The connectivity, flexibility, performance, and security of miSAN have “absolutely” made a positive impact on backup operations at the Tampa Bay CVB. “It’s fast, reliable, and flexible.”