

Paragon Software Enhances Data Security for Advantage Federal Credit Union

IT Problem

Highly regulated, data intensive, “always-on” financial institutions demand data protection, disaster recovery and complete business continuity.

Solution

AFCU chose Paragon’s data protection solution incorporating disk-to-disk backup and recovery software. Sector level images of entire servers, protected operating systems, settings and files, and compressed archives optimized their storage space and achieved AFCU’s optimal recovery time objectives.

Industry Facts

58% of small organizations and 64% of large organizations can withstand 4 hours or less of downtime before an interruption results in financial loss or has a significant operational impact

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Advantage Federal Credit Union has been providing banking and financial services to the Rochester, New York area since 1931. With five branches in New York, and a shared banking network of over 3,300 locations across the country, AFCU encounters all the daily challenges that major financial institution face regarding the security of their financial data.

The Systems Administrator, Sesto Colilli and his team, are charged with ensuring the security of over 15,000 credit union member’s financial data. “We are a financial institution and offer a lot of services for our members. One in part is home banking, the server that handles home banking actually resides here. Being able to keep that server online 24/7 is crucial for our business”, said Sesto.

Sesto originally purchased Paragon’s Hard Disk Manager for a workstation and wanted the same Disk Management features for his servers. Paragon offered the only Corporate level solution that included bootable media.

“When our server went down, the ability to be able to restore an image to dissimilar hardware as a temporary fix was amazing. You people really know your product”

Sesto Colilli, AFCU

Key Product Differentiators:

- Simplified, cost effective data protection
- Bootable CD without running Windows
- Automated “set-and-forget” scheduling
- Restores to dissimilar hardware

“Paragon was the only choice if I wanted to make a quick image of a server. It’s an extremely well written program”, stated Sesto.

In addition to Paragon’s Hard Disk Manager, AFCU also utilizes Drive Backup 10 Server for it’s superior performance features, says Sesto, “The ability to be able to use the GUI interface from a boot CD is pretty amazing. The product launches and works without Windows. The user interface from the bootable media by far exceeds your competitor’s products.”

Our focus on business continuity is a commitment to ensure that your complete systems, settings, and data files are protected 24-7. Both Hard Disk Manager and Drive Backup 10 Server offer complete flexibility



SYSTEM REQUIREMENTS :

Supported Operating Systems

- Windows 7 (32/64-bit)
- Supported Operating Systems
- Windows 7 (32/64-bit)
- Windows Vista (32/64-bit)
- Windows XP Professional (32/64-bit)
- Windows XP Home
- Windows 2000 Professional SP4
- Windows Server 2000 Family SP4
- Windows Server 2003 Family
- Windows Server 2003 x64 Edition
- Windows Small Business Server 2003
- Windows Storage Server 2003
- Windows Server 2008 (32/64 Bit)
- Windows Server 2008 R2

Supported Hard Drives and Removable Media

- Parallel ATA (IDE) HDD
- Serial ATA (SATA) HDD
- External SATA (eSATA) HDD
- SCSI HDD
- All levels of SCSI, IDE and SATA RAID controllers
- RAID support (hardware / software)
- CD-R/RW
- DVD
- Blu-Ray
- USB 1.x/2.0 and IEEE 1394 (FireWire) Devices
- PC card storage devices

Supported File Systems

- NTFS (v1.2, v3.0, v3.1)
- FAT16
- FAT32
- Linux Ext2FS
- Linux Ext3FS
- Linux Ext4FS
- Linux Swap
- Apple HFS+
- Other file systems (in the sector-by-sector mode)

Minimal Recommended Environment

- CPU: Intel Pentium or compatible, 300 MHz or higher processor
- RAM: At least 128 MB (256 MB or greater recommended)
- Disk space: 120 Mb
- Internet Explorer 5.0 or higher

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Feature	Description	Benefit	Drive Backup 10 Workstation	Drive Backup 10 SBS	Drive Backup 10 Server
Backup & Restore					
Sector Backup	Sector archives creation	Makes possible to store large amounts of data i.e. partitions and whole HDD in one archive. Inside a sector archive the user can secure his system, programs and data	✓	✓	✓
File Backup	File archives creation	The user can secure single files and folders in relatively small archives	✓	✓	✓
Differential Backup	The program is able to create small sector archives based on the master sector archive, with the newly created or changed data	Instead of creating a new full-sized sector archive each time when a piece of data has changed, the user can secure this data in a small differential archive	✓	✓	✓
File Increments	Small file archives with the newly created or changed data. Based on the base file or sector archive	The same benefit as for the differential backup, but only for file archives. It's also possible to create a file complement to a base sector archive	✓	✓	✓
Backup Metafiles	The program is able to quickly back up by the user's request such files and folders as: My Documents; My Media Files; My Email Folders;	This feature helps users to easily secure their valuable data without additional configuration. Users can leverage sector backups for the same purposes, but in this case they will have to create archives of whole partitions (with all redundant data)	✓	✓	✓
Synthetic Backup	Archives re-configuration	Existed archives can be reconfigured, compressed, split or secured with a password. All changes will be stored in a new archive	✓	✓	✓
Backup to FTP server	Work with remote FTP server	Provide a new level of the system and data protection	✓	✓	✓
Backup Capsule	Work with a special hidden secured partition	This partition grants additional level of security to all archives which it contains. Also this partition can be configured to be bootable with Recovery Environment	✓	✓	✓
Backup to CD/DVD/Blu-ray	The program is able to burn CD/DVD media with archives	Additional convenient way to store archived data	✓	✓	✓
Mount Images	Archives can be mounted as local drives in Windows	The mounted archive is seen as a local drive in the "My Computer" window. The user can browse this "drive", copy, extract files and folders	✓	✓	✓
Selective Restore	Extraction of small pieces of data from an archive	Files and folders can be copied from an archive without its restore with help of Volume Explorer or File Transfer Wizard tools	✓ (with new Restore Wizard also)	✓ (with new Restore Wizard also)	✓ (with new Restore Wizard also)

Full Comparison

<http://www.paragon-software.com/business/db-server/comparison.html>

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