



## Solutions

### The State of Data Protection and Recovery: Understanding Your Options

If you're relying on a traditional backup and recovery system, you're undoubtedly faced with the inherent problems of faulty media, costly maintenance, unsecured data and unreliable recovery. Fortunately, there is another way.

#### **Get to know EVault: The Clear Choice for Online Data Protection and Recovery.**

No other service offers all the functionality and convenience of EVault InfoStage™, its automated data protection and recovery solution. The secret is a software technology that allows users to quickly backup large data volumes over public

or private telecommunications lines. The result is "peace of mind" through a faster, more convenient and more reliable data protection and recovery solution.

#### **Complexity Masked to the User**

Although technologically complex, the principles behind EVault's technology and service are simple. Rather than try to correct the myriad of problems of tape-based systems such as faulty media, high acquisition and maintenance costs and slow and unreliable data restoration, EVault looked for ways to avoid the tape-and-truck method altogether. Ultimately, EVault enabled a paradigm shift in the way data is moved and stored.

EVault invented EVault DeltaPro™, a scanning technique that stores and manages only the block-level changes within files and databases, rather than the entire file. This development enabled EVault to drastically reduce the size of each backup set, thereby cutting the time and resources necessary to perform and manage a daily backup routine. By automating the process, EVault eliminated the costly resources necessary to manage the backup and recovery function. And by harnessing the power and ubiquity of the Internet Protocol, EVault became the first company to provide online data protection and recovery utilizing the Internet as a data transport.

### **EVault InfoStage relies on THREE COMPONENTS to consistently execute data protection and recovery:**

**EVault InfoStage Agent.** This software component is installed on each server that requires protection. When scheduled, the Agent scans the file system on the server. Using DeltaPro, the Agent recognizes both new files and those portions of existing files that have changed since the previous scan. The Agent then assembles only those blocks of modified data into a single change file. The Agent then compresses and encrypts the file, labels it and then delivers it to an offsite electronic vault, comprised of secure RAID 5 disk arrays. Once received at the vault, the data is made available 24 hours a day, seven days a week for restore transactions.

**EVault InfoStage Director.** The Director resides and controls the remote vault. The Director observes each backup connection and meticulously stores and catalogs the data for future retrieval. The automated process virtually eliminates the possibility of lost or damaged data due to user error. During the restore process, the Director recompiles the block-level deltas to ensure a quick and full recovery of the required data via a number of different methods including online restores, tape restores and portable servers.

**EVault InfoStage CentralControl.** This portion of the software allows IT professionals to remotely manage and configure all the servers with InfoStage Agents across a LAN or WAN environment from a single desktop. This gives your team complete access to oversee, customize and maintain the data protection and recovery process to their ongoing specifications.

## Data Format

All files transferred between the InfoStage Agent and the InfoStage Director are formatted in a structure independent from the operating system. Subsequently, data files backed up from a server running one supported operating system can be restored to a server or device running a second supported operating system. This ensures that no matter what operating system is in place today, you can access your data with future versions of supported operating systems as well. Data will never be lost or inaccessible—no matter how many system changes you make or how far in the future you need it.

**EVault solutions are designed specifically for heterogeneous back office environments, and include the following supported operating systems:**

Windows XP  
Windows NT Workstation 4.0  
Windows NT Server 4.0  
Windows 2000 Professional  
Windows 2000 Advanced Server

Netware 3.2  
Netware 4.2  
Netware 5.0  
Netware 5.1  
Netware 6.0

Solaris 7  
Solaris 8

Red Hat Linux 6.2  
Red Hat Linux 7.1

## Continuous Encryption for Iron-Clad Security

As the leader in online data protection and recovery systems, our chief concern is safeguarding your data. So the moment EVault encounters your data, it is thoroughly encrypted for the duration of the process—while backups are transmitted to the vault, while in storage, and while restored from the vault to the server. There is no method to decrypt data via any “back doors” or alternate schemes. Not even EVault employees have access to your files. Only you or your designee can decrypt your data during restoration using EVault software and your personal pass code.

**EVault currently offers the following encryption options:**

- 56-bit Blowfish
- 56-bit DES
- 112-bit triple DES
- 128-bit Blowfish
- 128-bit AES

All of this is designed to provide you with the highest level of cost effectiveness, security and peace of mind. After all, isn't that what a data protection and recovery system is supposed to do?

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