

### **CyberStor counters cyber-crime**

In this age of industrial espionage and terrorism, laptops have become a prime target for criminals in an effort to access confidential information. CyberStor prevents such information from ending up in the hands of these criminals by ensuring that critical data are stored away from the laptop and can never be found on it.

### **CyberStor assures regulatory compliance**

The benefits offered by CyberStor ensure peace of mind not only for IT administrators and laptop users but for company directors and governmental authorities as well. Regulatory requirements in numerous countries relating to "Data Protection" and "Business Continuity" are fully satisfied through CyberStor's unique features.

### **CyberStor guarantees absolute laptop-usage confidentiality**

Data are transmitted from the laptop by CyberStor in highly encrypted format, with encryption occurring prior to, and not during, removal from the laptop. So, even if intercepted, the data will not be understandable by an interceptor. To secure against hacking into the laptop itself in a Wi-Fi environment, non-Wi-Fi transmission is used for critical applications.

### **CyberStor provides complete peace of mind**

Any user with a laptop on which CyberStor is implemented can relax in the knowledge that no matter where he or she might be, if the laptop is stolen, lost, destroyed or damaged, another laptop with CyberStor downloaded from the Internet will permit full access once again to all the information on the original laptop.

### **CyberStor saves money by saving time**

When it comes to recovering lost information, CyberStor guarantees that not only will this be fully restored, but that this will be done in the fastest possible time. No time-consuming administrator intervention via tape-library access is required. The to-be-recovered information is simply a few laptop keystrokes away.

### **CyberStor offers an extra layer of virus protection**

Anti-virus software is an essential defence against virus attacks. Unfortunately, this software is always one step behind any new virus variants. CyberStor permits an immediate return to the set of data stored prior to a fatal virus attack and so provides additional security against this plague of the IT industry.

### **CyberStor saves money by reducing data storage costs**

By incorporating the most advanced compression and data-manipulation techniques available today, CyberStor reduces typical data storage requirements to less than 20% of a full daily-backup volume, i.e. what is normally transferred as backed-up data using conventional methods.

### **CyberStor ensures total laptop-user mobility**

With CyberStor, a laptop user is truly mobile. No longer is it a requirement to have access to a "land-line" to be able to remotely store data, nor is it absolutely essential to be in the vicinity of a Wi-Fi access point. Remote connectivity over each and any form of such connectivity-technologies as are currently available is guaranteed.

### **Advanced encryption**

In order to secure every user's data from unwanted intrusion, all data are stored in an encrypted format and all communication between the laptop and the corporate or storage server is encrypted. Users can choose between DES, Triple DES, Blowfish and AES encryption algorithms.

### **Automatic on-line upgrades**

All version upgrades can be distributed to end-users automatically. When a new version of the client software is available, the update patches are installed on the server to allow the client to update to the latest version automatically. Upgrades are executed seamlessly, without any user intervention required

### **Enhanced scheduling**

Options are available in the client software to help automate the backup process, thereby ensuring that the user's data are backed up on a regular basis without any necessity for the user to specify that a backup should be implemented.

### **Event manager**

An event manager is provided to alert users of any missed or failed backups, or unsuccessful transmission connections. If a backup fails to complete successfully, it can either be restarted manually or the event manager will try to reconnect and/or complete the backup when the laptop is restarted or CyberStor is next executed.

### **E-mail notification**

The client software can be configured to send an e-mail upon any successful backup or a backup with errors or warnings. A summary of the attempt is sent in the body of the message, and the complete log file may be attached as an option. This is an invaluable administrator aid.

### **Incremental backups**

CyberStor has the most efficient backup technology available today. The technology can accurately extract the changes that have been made to a file since the last backup. This efficiency is achieved by using the powerful FastBIT difference engine to identify and extract the binary-level differences on two versions of any file. The technology works on any type of file. On average, FastBIT backups are more than six times smaller and faster than those performed with conventional Delta Block technology.

### **Log file review & printing**

All backup and restore transactions are thoroughly logged on the client and at the remote data storage server. The user, or administrator, can quickly review and print the client logs from the client application. CyberStor maintains a master log of all general user activity and it records detailed information for each user, in order to help track usage and aid in technical support. This facility can also prove invaluable in forensic audit situations.

### **Minimized connection times**

FastBIT, combined with advanced compression algorithms, ensures that data transfer volumes are minimized and that, for any given transmission bandwidth, connection times are correspondingly minimized.

### **Multiple version restoration**

All CyberStor users have instant access to the restoration of any version of their data files. The technique used in the FastBIT incremental backups makes it possible to store a considerable file history, ready for retrieval. Although each incremental backup contains only the small changed portions of the file in question, the server software has the capability of recovering any version of a file from the initial backup to the last incremental backup, and also every version in between.

### **Optimization of CPU utilization**

Since the FastBIT technology leverages CPU power to achieve a very substantial reduction in file size, it can be taxing on the processor. Since some backups are done while the user is working on the laptop and some are done when there is no user activity, CyberStor permits CPU utilization to be configured, either allocating the backup application all the processing power it needs, or making it subordinate to other tasks.

### **Unlimited backup sets**

CyberStor features the ability to create an unlimited number of backup sets. These backup sets can either be run manually or they can be set to a schedule to run once or multiple times a day. In the case of a large number of laptops in the field, an administrator can utilize set-creation to pre-define tasks considered to be obligatory and thereby ensure that these are implemented.