Cryptainer SE

Secure the data, not just the network.

Most companies invest millions of dollars in putting up firewalls and trying to secure their networks. Ironically they spend the least amount of money in protecting the area where the data actually resides or is created – the PCs their employees use.

The costs involved in securing data at the user level are minimum and its criticality maximum.

COSTS INVOLVED IN SECURING DATA			
	STOPS	INSTALLATION	MAINTENANCE
INTERNET LEVEL SECURITY	HACKERS	WEEKS	24 hr x 7 days
NETWORK LEVEL SECURITY	HACKERS, COMPETITION	MONTHS	24 hr x 7 days
DESKTOP LEVEL SECURITY	HACKERS, COMPETITION, INSIDERS	HOURS	NONE

Encryption renders your data, even if accessed by an unauthorized person, unintelligible and unusable. By adopting the simplest prevention techniques, you can ensure complete and holistic data privacy and untouchability.

<u>About Cryptainer SE</u>

Cryptainer SE is a clone of Cryptainer, except it allows for recovery of passwords without any back doors or intervention at our end. This is targeted at Corporate Users.

Based on the award winning Cryptainer LE, with well over 7 million users, it proves to be appropriate for all network security needs. The end-user interface is identical to that of Cryptainer.

Cryptainer SE has an integrated administrative module. This module logs user passwords in an encrypted log file. This feature is useful in corporate environments where sometimes there is a necessity to recover the password/phrase which may have been lost/forgotten or other contingencies.

Additionally Cryptainer SE solves additional issues that other products don't.
· Access Control
· Command Line Feature
· Information Security
· Minimizing Downtime
· Cost Effectiveness
· Familiar Windows Environment
· No Training
· Ease of Deployment and Installation
· No Monitoring
· Zero maintenance.

Virtual Drive
Cryptainer SE has all the functionalities of Cryptainer. It creates an encrypted volume file that is, when mounted, visible under window as a drive on access with a password. On dismounting, the data is encrypted and the Cryptainer drive disappears.

Cryptainer SE VS Microsoft's Encrypted File System (EFS)
Using Windows EFS, copying encrypted files to any other file system type (FAT, FAT32, earlier versions of NTFS) will save the file in decrypted form. Cryptainer files remain encrypted when copied to other files systems. Similarly, opening EFS encrypted files over the network, decrypts the file on the remote side and sends decrypted data over the network. This is not true for Cryptainer. For more details - http://www.cypherix.com/cryptainerse/efs.htm

The Administrative Module
Cryptainer SE provides you with a single point control and monitoring of the distributed security system, while retaining the privacy of end users who set their own passwords. This ensures the integrity of your data,and at the same time gives you flexibility and overall control. Cryptainer SE allows the end users to act independently. To illustrate, users can set any type of password as they please. They can even create as many volumes as they need without any "monitoring".

At the same time, in the event of a contingency, it allows for the recovery of passwords of end users. To illustrate, if an employee leaves suddenly. In such a case, the data can be accessed by the administrator without any intervention by Cypherix or any back doors of any kind.

This process is handled by the administrative module that allows for oversight over passwords. Cypherix is not involved in this process.

The administrative module also allows for physical recovery of data, sector by sector, in the event of an absolute disaster.

Command Line Processing
Cryptainer SE offers command line processing for encrypting and decrypting files at the dos prompt. You can group a series of encryption and decryption commands in a single or multiple batch files and run it to get the desired results.

Secure Email
Cryptainer SE allows for the creation of self extracting encrypted files. The recipient need not have Cryptainer installed to decrypt the files. All that is required is the password. This allows for a totally secure communication system that makes use of existing generic e-mail clients on a public network, yet allows for totally secure data transfer.

System Compatibility
Cryptainer SE works with all 32 bit versions of Microsoft Windows (Win 95/98/NT/2000/XP). It encrypts on all file systems such as FAT, FAT12, FAT32, NTFS or NTFS with EFS.

Features

Real time file and folder protection - Cryptainer SE's high-security 'on the fly' disk encryption technology ensures that your data is safe at all times. Simply drag and drop to encrypt.

Fast Encryption - Cryptainer SE is fast! You will barely notice the difference in speed as compared to a regular copy paste function.

No Format limitations - Cryptainer SE encrypts every kind of file format, whether it is textual, tabular, graphical, organized in a database, audio or video.

When you start Cryptainer SE, **the virtual drive** will appear as a drive in your "My Computer" folder within Windows Explorer. You can even view it through the MS-DOS prompt. Once the virtual drive is loaded, you can copy, move, delete and drag and drop files just as you would with any other hard disk. Once unloaded, with a single click, your data gets encrypted.

Standard Windows functions such as cut, copy, paste, new file / folder creation, etc. can be used within the encrypted drive.

Customized, easy to remember passwords - The length of your password/phrase can be an alphanumeric combination of up to 100 characters; hence you can use longer phrases that are easier to remember, as your password.

Cryptainer SE's **symmetric encryption** system allows you to encrypt an infinite amount of data, from 1 Megabyte to 250 Gigabytes of data in dedicated areas on your hard disk(s).

It can create volume files on **removable media**. This allows for the flexibility to store and port data on removable media like Zip disks, tape drives, etc.

Encryption based **user access control** allows only authorized users to access the data. It maintains the legitimacy and integrity of data.

Password logging to enable access to encrypted/hidden data in case of a contingency.

Technical Specifications

PLATFORM	Intel/AMD/Cyrix/Other compatible architecture
OPERATING SYSTEM	Windows 95(OSR2), 16MB RAM Windows 98(First and Second Editions)16MB RAM Windows NT Workstation(SP6a or greater),32MB RAM Windows 2000 Professional, Service Pack 1
DISK REQUIREMENT	4MB approx on all platforms
REQUIRED COMPONENTS	Cryptainer Server Edition Cryptainer Administrative Module
ENCRYPTION ALGORITHMS	Cryptainer Server Edition - Blowfish at 448 bits, AES at 256 bits Cryptainer Administrative Module - RSA 2048 bit
CONFORMITY TO STANDARDS	Confirms to the following standards SHA NIST FIPS Key setting Pkcs5v2 HMAC RFC2104 HMAC test vectors RFC2202 HIPAA Security Standards

Evaluation Link

Please email us at info@cypherix.com for the evaluation link.

Pricing & Licensing

Should you wish to purchase, you can purchase upto 500 licences of Cryptainer SE on-line at https://secure.cypherix.com/store.htm

No. of Licenses	Cryptainer SE 250 GB vaults
5	$299.95
10	$499.95
25	$995.95
50	$1661.00
100	$2844.00
250	$5656.00
500	$9511.00

For more than 500 licenses, please contact us at info@cypherix.com.

Our licences are perpetual. In addition, all existing customers (as has been the case for the last 8 years) are eligible for free updates of the software for 2 years from the date of purchase, irrespective of the type of update.

We offer free technical support to all our existing customers.