CipherShare – High Performance Security, Document Management and Collaboration

The Challenge – Securing Information

From engineering to biotechnology, from financial to legal services, one of the biggest challenges facing organizations these days is securely and efficiently sharing electronic information. Enabling change and version control, 'need-to-know' access, communication between a distributed and mobile work force and cross-organizational collaboration are all significant challenges.

Securing the information stored on servers, desktops or mobile laptops also poses a significant problem for many organizations. If a computer that is storing sensitive information is lost or stolen (for example the laptop belonging to a lawyer who is traveling to meet a client about a very valuable patent application), the information on that computer is vulnerable to compromise. The bottom line is that these problems can, and in many cases already have, cost organizations millions of dollars in lost business, lost credibility and legal fees.

Because solving the security problem is so difficult, many companies continue to use unsecured methods of sharing and storing information, even as attacks on these grow more numerous and sophisticated. This is true despite the fact that the information being shared may be worth millions of dollars to their own organization, customers or clients, or pose a substantial liability under new stringent privacy regulations.

The Solution: Assurency CipherShare

CipherShare is a high performance, integrated document management and collaboration platform that offers an organization the ability to provide *highly secure* communication and information sharing for both employees and clients, anytime/anywhere. *Installed in minutes*, easy-to-use and simple-to-administrate, CipherShare uses state-of-the-art *encryption* and *PKI* security to ensure that all documents, files, messages and communication between team members and clients or customers are always *securely stored and transmitted*. Information is securely encrypted everywhere: on all user machines, servers and in transmission.   Getting up and running on a new computer is as easy as installing CipherShare and downloading protected information.

CipherShare tracks, stores and *audits* all changes and modifications made to every stored and shared document, so there's no guess work as to who is responsible for any given change. CipherShare utilizes strong authentication cryptography to ensure that every action is *digitally signed and fingerprinted*. The bottom line is that you know exactly who is responsible for each modification, a principle known as non-repudiation. This capability is extremely important for those companies such as legal or financial firms who deal in contractual or other forms of binding relationships.   CipherShare also provides a broad range of sophisticated collaborative services such versioning, check-in/check-out, notes, tasks, scheduling and secured messaging.

Assurency CipherShare - Immediate Benefits

The CipherShare platform enables organization to immediately offer the following to employees, customers or clients:

1. **Secure Document / File / Data Storage and Collaboration**: CipherShare allows team members to store and share any electronic documents, files, information, communication and data within a **fully secured, easy-to-use** and efficient application. CipherShare offers the power of integrated PKI without the complexity or need for third-party PKI solutions, providing a host of sophisticated services including versioning, tasks and notes.

2. **Integrated Secure Messaging and Chat**: CipherShare allows team members to communicate in a completely secure manner, **encrypting all messages** and information when sent and stored.

3. **Encrypted On-line/Off-line Storage**: The appeal of on-line storage systems is that users can get to their information from anywhere. CipherShare offers **both on-line and off-line access** while ensuring that no unauthorized personnel can access stored or transferred information. In the case of a stolen or broken computer, getting information back is secure, fast and easy.

4. **Secure email and 'e-vault' service:** CipherShare's Secure Archive feature allows users to store or send documents or files in a self-extracting 'e-vault'. The 'e-vault' provides a secure container for valuable information without the need for the CipherShare client.

What benefits does it offer clients or customers?

Security of electronic information - on the Internet, at home and at the office – is rapidly becoming one of the most important issues for both business and personal use customers. An organization can offer clients or customers fully secured communication and information sharing service that will allow each customer to:

1) Securely engage in "person to team" and "person to person" document, email and file transfer
2) Secure all business and personal communication within the team
3) Securely store and share all team and client business data

This makes CipherShare the perfect application for government, engineering, legal, biotechnology, pharmaceutical and financial companies that need to store and share highly sensitive information and intellectual property.

Assurency CipherShare – Security Anytime, Anywhere.

Assurency CipherShare provides a secure virtual workspace in which documents, files, messages, chat and collaborative information remains protected at all times, both within and outside of the corporate firewall.

CipherShare utilizes cryptographically enforced strong authentication, digital signatures and fingerprints, 'need-to-know' access, version control and non-repudiation.

A true client/server environment, CipherShare employs "delta-versioning" to optimize bandwidth usage. Once a file has been shared, only modification information is subsequently shared among users. Smart upload and download allows file transfers to be terminated with full resumability.

CipherShare can be deployed "out-of-the-box", is easy to use and simple to administer.