ABSTRACT

"Collaborative digital signing solution"

As a lot of confidential data are being transferred day in day out to/from the companies, there are possibilities that the data may be lost accidentality or stolen intentionally. This is not reliable as it could be a serious threat to the organizations. The project is an application to make sure that the data being transferred over the Internet is secured and confidential. It is very important that this data being transferred does not fall into wrong hands to avoid any financial or informative losses that can be harmful to the organization. Moreover, the storage of the data and its transfer are accessed by the authorized persons only hence providing a secure way to manage and transfer

People have traditionally used signatures as a means of informing others that the signature has read and understood a document. Digital signature in a document is bound to that document in such a way that altering the signed document or moving the signature to a different document invalidates the signature .This security eliminates the need for paper copies of documents and can speed the processes involving documents that require signatures. Digital Signatures are messages that identify and authenticate a particular person as the source of the electronic message, and indicate such persons approval of the information contained in the electronic message. Emerging applications like electronic commerce and secure communications over open networks have made clear the fundamental role of public key cryptosystem as unique security solutions. On the other hand, these solutions clearly expose the fact, that the protection of private keys is a security bottleneck in these sensitive applications. This problem is further worsened in the cases where a single and unchanged private key must be kept secret for very long time (such is the case of certification authority keys). They help users to achieve basic security building blocks such as identification, authentication, and integrity.

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