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(57) Abstract :

A system and method for recovering and securing deleted files. The system initially analyzes a computing device, where the deleted files were stored earlier, and find all the deleted files, recovers them, performs encryption, and securely obtains hashes of both the original and the copied files. In this manner, both data integrity and authentication can be ensured. The system make duplicates/clones of the deleted files, wherein the system performs the following functions which are but not limited to encryption of files to prevent unauthorized access, secure authentication mechanisms to ensure only authorized users can access the cloned files, backup files to ensure that data is not lost in case of a system failure, perform compression of cloned files can save storage space and reduce the amount of time it takes to transfer data and checksum mechanism is added to the system to ensure data integrity and detect any changes to the original files.

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