

## **Java application for encryption/decryption of files or folders through a graphical menu**

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**Abstract:** A Java application performing encryption, decryption, safe delete, copy/cut and paste of files or folders is presented. It may be used also as a local file browser. All these are done by an easy to use graphical menu. It is a stand – alone application that can be used on any operating system, such as Win9x, Win2k, WinXP and any Unix distribution. The interface with the operating systems is made by j2re1.4.1\_02 (Java Runtime Environment), placed on a portable USB memory (system files - Fat16 ). For Mac OS one needs Java 1.4.1 or above. The algorithm used for encryption and decryption is AES (Advanced Encryption Standard), a symmetric algorithm made by the National Institute of Standards and Technology (NIST). The encryption key is on 256 bits. The application has created for SATA HTS from Italy.

**Key words:** java, Mac operating system, encrypt, decrypt.